



Bachelor of Science (BS) Medical Laboratory Science

2025-2026

		H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FIRST YEAR	FALL	3	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
		3	Choose 1	Creative Arts		050		See General Education Core for course options.
		3	Choose 1	Mathematics	C	020	College Ready TSI status in Mathematics.	See General Education Core for course options. MATH 1342 is not an option for the Core. It is required in the major.
		4	BIOL 2401	Anatomy and Physiology I				Satisfies Major-Specific Requirement.
		3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
			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.
	16 Semester Total Hours							
	SPRING	3	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
		4	BIOL 2402	Anatomy and Physiology II			BIOL 2401.	Satisfies Major-Specific Requirement.
		3	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		CHEM 1111	General Chemistry I Lab		090	Credit/registration in CHEM 1311.	See General Education Core for course options.	
3		Choose 1	American History		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328	
3		MATH 1342	Elementary Statistical Methods			College Ready TSI status in Mathematics.	Satisfies Major-Specific Requirement.	
17 Semester Total Hours								
		H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
SECOND YEAR	FALL	3	CHEM 1312	General Chemistry II		030	CHEM 1311.	See General Education Core for course options.
		1	CHEM 1112	General Chemistry II Lab		090	Credit/registration in CHEM 1312.	See General Education Core for course options.
		3	POLS 2305	U.S. Federal Government & Politics		070		See General Education Core for course options.
		4	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.
		3	Choose 1	Language, Philosophy & Culture		040		See General Education Core for course options.
		3	Choose 1	Integrative and Experiential Learning		090		See General Education Core for course options.
	17 Semester Total Hours							
	SPRING	3	CHEM 2323	Organic Chemistry I			CHEM 1312.	Satisfies Major-Specific Requirement.
		1	CHEM 2123	Organic Chemistry I Lab			Credit/registration in CHEM 2323.	Satisfies Major-Specific Requirement.
		4	BIOL 1406	General Biology I		090		Satisfies Major-Specific Requirement. One Hour Lab will meet General Education Core requirement.
3		POLS 2306	Texas Government & Politics		070		See General Education Core for course options.	
3		Choose 1	Social and Behavioral Sciences		080		See General Education Core for course options.	
14 Semester Total Hours								

The 2024-2026 list of core courses can be found in the 2024-2026 Undergraduate Catalog: www.utrgv.edu/catalog > See 'Bachelors Degree Program Regulations'

Symbols Key

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.
Bolded Course #: Program Admission Requirement

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Applied Communication and Literacies; 090 - Humanities; 090 - Leadership; 090 - Science Labs; 090 - Interdisciplinary; 090 - Technologies; 090 - Language Diversity & Writing.

		H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
THIRD YEAR	FALL	6	CLSC 3630	Clinical Microbiology I	C		Admission into the Clinical Laboratory Science Program or special approval.	Admission requirements (See Department).
		3	CLSC 3310	Hematology I	C		Admission into the Clinical Laboratory Science Program or special approval.	Admission requirements (See Department).
		5	CLSC 3513	Clinical Immunology and Immunohematology	C		Admission into the Clinical Laboratory Science Program or special approval.	Admission requirements (See Department).
		4	CLSC 3420	Clinical Chemistry I	C		Admission into the Clinical Laboratory Science Program or special approval.	Admission requirements (See Department).
	18 Semester Total Hours							
SPRING	4	CLSC 4411	Clinical Hematology II	C		CLSC 3310 or permission of the instructor.	Admission requirements (See Department).	
	5	CLSC 4521	Clinical Chemistry II	C		CLSC 3420 or permission of the instructor.	Admission requirements (See Department).	
	3	CLSC 4314	Advanced Immunohematology	C		Admission into the Clinical Laboratory Sciences Program and CLSC 3513.	Admission requirements (See Department).	
	6	CLSC 4631	Clinical Microbiology II	C		CLSC 3630 or permission of the instructor.	Admission requirements (See Department).	
18 Semester Total Hours								
SUMMER	3	CLSC 4303	Medical Laboratory Leadership	C		Admission into the Clinical Laboratory Science Program or special approval.	Admission requirements (See Department).	
	3	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	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).	
	1	CLSC 4122	Method Development & Research	C		Admission to the Clinical Laboratory Sciences Program.	Admission requirements (See Department).	
10 Semester Total Hours								
		H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FOURTH YEAR	FALL	3	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).
		3	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).
		1	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).
		2	CLSC 4200	Seminar	C		Admission into the Clinical Laboratory Science Program and completion of CLSC 4340 and CLSC 4341.	Admission requirements (See Department).
		1	CLSC 4116	Advanced Immunology	C		CLSC 3513.	Admission requirements (See Department).
		3	CLSC 4315	Molecular Genetics and Molecular Diagnostics	C		Admission to the Clinical Laboratory Sciences Program or permission of the instructor.	Admission requirements (See Department).
	13 Semester Total Hours							

123 TOTAL HOURS
(42) Advanced minimum credit hours

Revised: Tuesday, February 18th, 2025