



Bachelor of Science (BS)
Integrated Health Science
Clinical Professions - Medical Laboratory Science Pathway

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	MATH 1342	Elementary Statistical Methods	C	020	College Ready TSI status in Mathematics.	MATH 1342 is a Support course for MLS.
		4	BIOL 2401	Anatomy and Physiology I		030/090		Satisfies Major-Specific Requirement.
		3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
	SPRING		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						
		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		030/090	BIOL 2401.	Satisfies Major-Specific Requirement.
		3	CHEM 1311	General Chemistry I			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.
SECOND YEAR	FALL	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	INHS 1301	Introduction to Health Science & Professions	C			Satisfies Major-Specific Requirement. Prioritization of INHS 1301 and INHS 2301 is essential to facilitate effective INHS sequencing in the IHS Degree but is not a requirement of the MLS Program.
		14 Semester Total Hours						
	SPRING	3	CHEM 1312	General Chemistry II			CHEM 1311.	See General Education Core for course options.
		1	CHEM 1112	General Chemistry II Lab			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	INHS 2301	The Practice of Health Science	C		Grade of "C" or better in INHS 1301.	Satisfies Major-Specific Requirement. Prioritization of INHS 1301 and INHS 2301 is essential to facilitate effective INHS sequencing in the IHS Degree but is not a requirement of the MLS Program.
	FALL	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				Satisfies Major-Specific Requirement. One Hour Lab will meet General Education Core requirement (090).
		3	POLS 2306	Texas Government & Politics		070		See General Education Core for course options.
		3	Choose 1	Language, Philosophy & Culture		040		See General Education Core for course options.
	SPRING	3	SOCI 1301 or ANTH 2351	Introduction to Sociology or Introduction to Cultural Anthropology		080		MLS will accept any course from the 080 category. If not accepted to MLS, IHS will require ANTH 2351 or SOCI 1301.
		17 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	3	INHS 3305	Global Health Dynamics			Grade of "C" or better in INHS 1301 and INHS 2301.	Satisfies Major-Specific Requirement.
		3	INHS 3310	Healthcare Administration, Methods, and Techniques			Grade of "C" or better in INHS 1301 and INHS 2301.	Satisfies Major-Specific Requirement.
		3	INHS 3315	Environmental Health Literacy for Empowerment			Grade of "C" or better in INHS 1301 and INHS 2301.	Satisfies Major-Specific Requirement.
		3	INHS 3347	Health Science Information Management and Analysis	C			Satisfies Major-Specific Requirement.
		3	NUTR 2351	Introduction to Clinical Nutrition				Satisfies Major-Specific Requirement.
	15 Semester Total Hours							
	SPRING	3	INHS 3325	Healthcare Leadership Structure and Professionalism			Junior classification.	Satisfies Major-Specific Requirement. Junior classification (minimum 60 credit hours).
		3	INHS 3348	Database Administration in Health Science	C			Satisfies Major-Specific Requirement.
		3	13XX-43XX	Free Elective				Students intending to apply to graduate programs must schedule an appointment with their Academic Advisor to review and sequence program requirements.
		3	13XX-43XX	Free Elective				Students intending to apply to graduate programs must schedule an appointment with their Academic Advisor to review and sequence program requirements.
		3	HRPT 2303	Medical Terminology				Satisfies Major-Specific Requirement.
15 Semester Total Hours								
		H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FOURTH YEAR	FALL	3	INHS 4322	Concepts and Impacts of Artificial Intelligence in Healthcare			Grade of "C" or better in INHS 1301, INHS 2301 and Junior Classification.	Satisfies Major-Specific Requirement. Junior classification (minimum 60 credit hours).
		3	INHS 4324	Applied Concepts of Public Health	C		Grade of "C" or better in INHS 1301 and INHS 2301.	Satisfies Major-Specific Requirement.
		3	INHS 4349	Clinical Information Systems			Grade of "C" or better in INHS 3347 and INHS 3348.	Satisfies Major-Specific Requirement.
		3	13XX-43XX	Free Elective				Students intending to apply to graduate programs must schedule an appointment with their Academic Advisor to review and sequence program requirements.
		2	13XX-43XX	Free Elective				Students intending to apply to graduate programs must schedule an appointment with their Academic Advisor to review and sequence program requirements.
	14 Semester Total Hours							
	SPRING	3	INHS 4326	Evidence-Based Practices in Healthcare			Grade of "C" or better in INHS 4324.	Satisfies Major-Specific Requirement.
		3	INHS 4328	Theory and Context of Epidemiology			Grade of "C" or better in INHS 1301 and INHS 2301.	Satisfies Major-Specific Requirement.
		3	INHS 4352	Health Science Ethics and Legal Analysis				Satisfies Major-Specific Requirement.
		3	INHS 4360	Healthcare Quality and Research Techniques			Grade of "C" or better in INHS 4324.	Satisfies Major-Specific Requirement.
		12 Semester Total Hours						

120 TOTAL HOURS
(42) Advanced minimum credit hours

Revised: Tuesday, February 18th, 2025