

	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL		3	Choose 1	Communication (Core)	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	American History (Core)		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
			3	CHEM 1311	General Chemistry I (Core)	C	030	MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 2412, MATH 2413 with a grade of "C" or higher."	
			1	CHEM 1111	General Chemistry I Lab (Core)	C	090	Credit/Registration in CHEM 1311	
			1	BMED 1101	Introductory Medical Biochemistry	C		Departmental approval	Mission 1
			1	BMED 1103	Introductory Cell Biology	C		Departmental approval	Mission 2
			1	BMED 1104	Introductory Molecular Biology	C		Departmental approval	Mission 1
			1	BMED 2102	Molecules, Cells and Tissues	C		Departmental approval	Mission 2
			1	BMED 1102	Introduction to Biomedical Laboratory I	C		Departmental approval	
					UNIV	1301 Learning Framework 1101 Academic and Career Success 1001 Living and Working by Design			
15 Semester Total Hours									
FIRST YEAR	SPRING		3	Choose 1	Communication (Core)	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
			3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328
			3	CHEM 1312	General Chemistry II (Core)	C	030	CHEM 1311.	
			1	CHEM 1112	General Chemistry II Lab (Core)	C	090	Credit/registration in CHEM 1312.	
			3	Choose 1	Spanish Elective				Spanish placement exam available
			1	BMED 1105	Introductory Medical Genetics	C		Departmental approval	Mission 3
			1	BMED 1106	Introductory Medical Microbiology	C		Departmental approval	Mission 4
			1	BMED 1107	Introductory Immunology	C		Departmental approval	Mission 4
			1	BMED 1109	Evolutionary Medicine	C		Departmental approval	Mission 3
		17 Semester Total Hours							
SECOND YEAR	FALL		3	CHEM 2323	Organic Chemistry I				
			1	CHEM 2123	Organic Chemistry I Lab			Credit/registration in CHEM 2323.	
			3	Choose 1	Creative Arts (Core)		050		PHIL 1330 Strongly Recommended
			1	BMED 1108	Introductory Medical Neuroscience	C		Departmental approval	Mission 5
			1	BMED 3104	Integrated Body Systems I: Cardiovascular and Pulmonary	C		Departmental approval	Mission 5
			1	BMED 3108	Integrated Body Systems V: Dermatology, Hematology and Musculoskeletal	C		Departmental approval	Mission 5
			1	BMED 1110	Introductory Medical Physiology	C		Departmental approval	Mission 7
			1	BMED 1111	Introduction to Biomedical II Lab	C		Departmental approval	
			1	BMED 3121	Independent Research I			Departmental approval	
		13 Semester Total Hours							
SECOND YEAR	SPRING		3	CHEM 2325	Organic Chemistry II				
			1	CHEM 2125	Organic Chemistry II Lab			Credit/Registration in CHEM 2325	
			3	MATH 1342	Elementary Statistical Methods	C		College Ready TSI status in Mathematics.	
			3	PSYC 2301	General Psychology (Core)		080		
			3	Choose 1	Language, Philosophy & Culture (Core)		040		ENGL 2331 Strongly Recommended
			1	BMED 2101	Gross Anatomy	C		Departmental approval	Mission 7
			1	BMED 3105	Integrated Body Systems II: Gastrointestinal Systems	C		Departmental approval	Mission 6
			1	BMED 3106	Integrated Body Systems III: Renal, Fluid and Electrolytes	C		Departmental approval	Mission 6
			1	BMED 3107	Integrated Body Systems IV:Endocrine and Reproduction	C		Departmental approval	Mission 6
			1	BMED 3122	Independent Research II			BMED 3121	
17 Semester Total Hours									

CORE: The 2023-2024 list of core courses can be found in the 2023-2024 Undergraduate Catalog: www.utrgv.edu/smartcatalog > Bachelors Degree Regulations and Graduation Policies > 'Core Curriculum'

Critical (!): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

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	SPRING	4	PHYS 1401	General Physics I			MATH 1414 or MATH 1314.		
		2	BMED 4250	Advanced Cell Biology			Departmental approval	Mission 11	
		2	BMED 4260	Advanced Molecular Biology			Departmental approval	Mission 12	
		3	BMED 4310	Medical Biochemistry			Departmental approval	Mission 10	
		1	BMED 3123	Independent Research III			BMED 3122		
		12 Semester Total Hours							
	FALL	SPRING	1	BMED 3102	Neurochemistry	C			Mission 8
			2	BMED 4280	Advanced Medical Neuroscience			Departmental approval	Mission 8
			4	BMED 4440	Medical Microbiology			Departmental approval	Mission 16
			2	BMED 4220	Medical Bioinformatics, Genomics, and Systems Biology			Departmental approval	Mission 19
			2	BMED 4230	Human Genetics and Medical Genomics			Departmental approval	Mission 18
			1	BMED 3124	Independent Research IV			BMED 3123	
4	PHYS 1402	General Physics II			PHYS 1401				
16 Semester Total Hours									
FOURTH YEAR	FALL	SPRING	3	POLS 2305	U.S. Federal Government & Politics (Core)		070		See General Education Core for course options.
			3	STAT 3301	Applied Statistics for Science, Engineering and Medical Science	C			
			2	BMED 4270	Introduction to Integrative and Complementary Medicine			Departmental approval	Mission 15
			2	BMED 4290	Medical Immunology			Departmental approval	Mission 17
			1	BMED 3103	Human Behavior	C		Departmental approval	Mission 9
			4	MATH 2413	Calculus I (Core)	C	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	Prerequisite for MATH 2412: MATH 1314 or MATH 1414 with a grade of 'C' or better; or passing the College Algebra Exemption Test administered by the Department of Mathematics.
	15 Semester Total Hours								
	FALL	SPRING	3	POLS 2306	Texas Government & Politics (Core)		070		See General Education Core for course options.
			3	Choose 1	Integrative and Experiential Learning (Core)		090		See General Education Core for course options.
			1	Choose 1	Integrative and Experiential Learning (Core)		090		
			3	Choose 1	Advance Elective				See Degree Plan for course options. Choose 3 advanced hours from BMED, PSYC, BIOL, CHEM, MATH, PHYS, HPRS, or CSCI.
			2	BMED 4295	Pathophysiology			Departmental approval	Mission 13
1			BMED 3101	Pathobiology and Host Defense	C		Departmental approval	Mission 13	
1	BMED 3109	Medical Syndromes	C		Departmental approval	Mission 14			
14 Semester Total Hours									

120 TOTAL HOURS

(42) Advanced minimum credit hours

Approved: Wednesday, March 31, 2023

Revised: Friday, March 31, 2023

Mission notation describes co-requisite requirements. Courses within a mission cannot be dropped individually, and must be taken together.

Credit for MATH 1314/1414 are recommended prior to initiating program (MATH exam available)

A GPA of 3.0 must be maintained for progression in the program.