

	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 ENGL portion of ACT test or TSI reading/writing exams or ENGL 0301. For ENGL 1302/1388, a grade of "C" or better in ENGL 1301/1387.	See General Education Core for more details Options: ENGL 1301 or ENGL 1387 (H)	
		3	CHEM 1311	General Chemistry I	C	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."		
		1	CHEM 1111	General Chemistry I Lab	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				Only if required, based on ACT/SAT and High School rank.
		12 Semester Total Hours							
FIRST YEAR	SPRING	3	Choose 1	Communication (Core)	C	010	For all 010 courses: Satisfactory scores on ENGL portion of ACT test or TSI reading/writing exams or ENGL 0301. For ENGL 1302/1388, a grade of "C" or better in ENGL 1301/1387.	See General Education Core for more details Options: ENGL 1302 or ENGL 1388 (H)	
		3	CHEM 1312	General Chemistry II	C	030	CHEM 1311.		
		1	CHEM 1112	General Chemistry II Lab	C	090	Credit/registration in CHEM 1312.		
		3	Choose 1	Spanish Elective					
		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	
14 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	020	College Ready TSI status in Mathematics.	
			3	PSYC 2301	General Psychology		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 2019-2020 list of core courses can be found at: www.utrgv.edu > Academics > Undergraduate > General Education Core
www.utrgv.edu/core

Symbols Key

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.

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THIRD YEAR	FALL	3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1301 or HIST 1387 or HIST/MASC 2327	
		4	PHYS 1401	General Physics I		030	MATH 1414 or MATH 1314.		
		1	BMED 3102	Neurochemistry	C			Mission 8	
		2	BMED 4280	Advanced Medical Neuroscience			Departmental approval	Mission 8	
	1	BMED 3103	Human Behavior	C		Departmental approval	Mission 9		
	1	BMED 3123	Independent Research III			BMED 3122			
	4	MATH 2413	Calculus I	C	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.			
			16 Semester Total Hours						
SPRING		3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1302 or HIST 1388 or HIST/MASC 2328	
		4	PHYS 1402	General Physics II		030	PHYS 1401.		
		3	BMED 4310	Medical Biochemistry			Departmental approval	Mission 10	
		2	BMED 4250	Advanced Cell Biology			Departmental approval	Mission 11	
		2	BMED 4260	Advanced Molecular Biology			Departmental approval	Mission 12	
		1	BMED 3124	Independent Research IV			BMED 3123.		
		3	Choose 1	Advanced Elective				See Degree Plan for course options.	
				18 Semester Total Hours					
FOURTH YEAR	FALL	3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2305 or POLS 2385 (H)	
		3	STAT 3301	Applied Statistics for Science, Engineering and Medical Science	C				
		4	BMED 4440	Medical Microbiology			Departmental approval	Mission 16	
		2	BMED 4290	Medical Immunology			Departmental approval	Mission 17	
		2	BMED 4230	Human Genetics and Medical Genomics			Departmental approval	Mission 18	
		2	BMED 4220	Medical Bioinformatics, Genomics, and Systems Biology			Departmental approval	Mission 19	
				16 Semester Total Hours					
	SPRING		3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2306 or POLS 2386 (H)
			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		
			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
2	BMED 4270	Introduction to Complementary and Alternative Medicine			Departmental approval	Mission 15			
		13 Semester Total Hours							
		120 TOTAL HOURS							
		(42) TOTAL ADVANCED HOURS							

Approved: Wednesday, June 19, 2019

Revised: Monday, April 1, 2019

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)

BMED 2103 - Legal Med & Ethics - Strongly Recommended; **A GPA of 3.0 must be maintained for progression in the program.**