

		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 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 registration	Mission 1		
			1	BMED 1102	Introduction to Biomedical Laboratory I	C		Departmental registration			
			1	BMED 1103	Introductory Cell Biology	C		Departmental registration	Mission 2		
			1	BMED 1104	Introductory Molecular Biology	C		Departmental registration	Mission 1		
			1	BMED 1105	Introductory Medical Genetics	C		Departmental registration	Mission 3		
			1	BMED 1106	Introductory Medical Microbiology	C		Departmental registration	Mission 4		
			1	BMED 1107	Introductory Immunology	C		Departmental registration	Mission 4		
			1	BMED 1109	Evolutionary Medicine	C		Departmental registration	Mission 3		
			1	BMED 2102	Molecules, Cells and Tissues	C		Departmental registration	Mission 2		
					UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and High School rank.	
16 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 3104	Integrated Body Systems I: Cardiovascular and Pulmonary	C		Departmental registration	Mission 5		
			1	BMED 3105	Integrated Body Systems II: Gastrointestinal Systems	C		Departmental registration	Mission 6		
			1	BMED 3106	Integrated Body Systems III: Renal, Fluid and Electrolytes	C		Departmental registration	Mission 6		
			1	BMED 3107	Integrated Body Systems IV: Endocrine and Reproduction	C		Departmental registration	Mission 6		
			1	BMED 3108	Integrated Body Systems V: Dermatology, Hematology and Musculoskeletal	C		Departmental registration	Mission 5		
			1	BMED 1108	Introductory Medical Neuroscience	C		Departmental registration	Mission 5		
			1	BMED 1110	Introductory Medical Physiology	C		Departmental registration	Mission 7		
			1	BMED 2101	Gross Anatomy	C		Departmental registration	Mission 7		
			1	BMED 1111	Introduction to Biomedical II Lab	C		Departmental registration			
19 Semester Total Hours											
SECOND YEAR	FALL		3	CHEM 2323	Organic Chemistry I	C					
			1	CHEM 2123	Organic Chemistry I Lab			Credit/registration in CHEM 2323.			
			3	PSYC 2301	General Psychology			080			
			4	PHYS 1401	General Physics I			030	MATH 1414 or MATH 1314.		
			3	MATH 1342	Elementary Statistical Methods			020	College Ready TSI status in Mathematics.		
			1	BMED 3102	Neurochemistry	C			Departmental registration	Mission 8	
			2	BMED 4280	Advanced Medical Neuroscience				Departmental registration	Mission 8	
			1	BMED 3103	Human Behavior	C			Departmental registration	Mission 9	
			1	BMED 3121	Independent Research I	C			Departmental registration		
		19 Semester Total Hours									
		SECOND YEAR	SPRING		3	CHEM 2325	Organic Chemistry II				
					1	CHEM 2125	Organic Chemistry II Lab			Credit/Registration in CHEM 2325	
					4	PHYS 1402	General Physics II			030	PHYS 1401.
	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.		
	3			BMED 4310	Medical Biochemistry					Mission 10	
	2			BMED 4250	Advanced Cell Biology				Departmental registration	Mission 11	
	2			BMED 4260	Advanced Molecular Biology				Departmental registration	Mission 12	
	2			BMED 4295	Pathophysiology				Departmental registration	Mission 13	
	1			BMED 3101	Pathobiology and Host Defense	C			Departmental registration	Mission 13	
	1			BMED 3122	Independent Research II	C			Departmental registration		
23 Semester Total Hours											

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
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 See General Education Core for more details Options: POLS 2305 or POLS 2385 (H)
		3		Choose 1	Government/Political Science (Core)		070		
		3		MATH 3331	Applied Statistics I			MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
		3		Choose 1	Creative Arts (Core)		050	Departmental registration	PHIL 1330 Strongly Recommended
		1		BMED 3109	Medical Syndromes	C		Departmental registration	Mission 14
		2		BMED 4270	Introduction to Complementary and Alternative Medicine			Departmental registration	Mission 15
		2		BMED 4240	Medical Microbiology			Departmental registration	Mission 16
		2		BMED 4290	Medical Immunology			Departmental registration	Mission 17
		2		BMED 3223	Independent Research III			Departmental registration	
						21 Semester Total Hours			
THIRD YEAR	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 ENGL 2331 Strongly Recommended
		3		Choose 1	Language, Philosophy & Culture (Core)		040		
		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 4230	Human Genetics and Medical Genomics			Departmental registration	Mission 18
		2		BMED 4220	Medical Bioinformatics, Genomics, and Systems Biol			Departmental registration	Mission 19
		2		BMED 3224	Independent Research IV			Departmental registration	
		3		Choose 1	Advanced Elective				See Degree Plan for course options.
				22 Semester Total Hours					

Graduation Requirements
120 TOTAL HOURS
(42) TOTAL ADVANCED HOURS

Approved:
 Revised: Thursday, June 15, 2017

CORE: The 2017-2018 list of core courses can be found at: www.utrgv.edu > Academics > Undergraduate > General Education Core
www.utrgv.edu/core

Mission notation describes co-requisite requirements. Courses within a mission cannot be dropped individually, and must be taken together.
 Credit for MATH 1314/1414 should be received prior to initiating program (MATH exam available)
 BMED 2103 - Legal Med & Ethics - Strongly Recommended

		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 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 registration	Mission 1		
			1	BMED 1103	Introductory Cell Biology	C		Departmental registration	Mission 2		
			1	BMED 1104	Introductory Molecular Biology	C		Departmental registration	Mission 1		
		1	BMED 2102	Molecules, Cells and Tissues	C		Departmental registration	Mission 2			
		1	BMED 1102	Introduction to Biomedical Laboratory I	C		Departmental registration				
					UNIV 1301	Learning Framework			Only if required, based on ACT/SAT and High School rank.		
	12 Semester Total Hours										
	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 registration	Mission 3		
			1	BMED 1106	Introductory Medical Microbiology	C		Departmental registration	Mission 4		
			1	BMED 1107	Introductory Immunology	C		Departmental registration	Mission 4		
			1	BMED 1109	Evolutionary Medicine	C		Departmental registration	Mission 3		
14 Semester Total Hours											
SECOND YEAR	FALL		3	CHEM 2323	Organic Chemistry I	C					
			1	CHEM 2123	Organic Chemistry I Lab	C		Credit/registration in CHEM 2323.			
			3	Choose 1	Creative Arts (Core)		050		PHIL 1330 Strongly Recommended		
			1	BMED 1108	Introductory Medical Neuroscience	C		Departmental registration	Mission 5		
			1	BMED 3104	Integrated Body Systems I: Cardiovascular and	C		Departmental registration	Mission 5		
			1	BMED 3108	Integrated Body Systems V: Dermatology, Hematology and Musculoskeletal	C		Departmental registration	Mission 5		
			1	BMED 1110	Introductory Medical Physiology	C		Departmental registration	Mission 7		
			1	BMED 2101	Gross Anatomy	C		Departmental registration	Mission 7		
	SPRING		1	BMED 1111	Introduction to Biomedical II Lab	C		Departmental registration			
			1	BMED 3121	Independent Research I	C		Departmental registration			
		14 Semester Total Hours									
			3	CHEM 2325	Organic Chemistry II	C					
			1	CHEM 2125	Organic Chemistry II Lab	C		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 3105	Integrated Body Systems II: Gastrointestinal Systems	C		Departmental registration	Mission 6				
	1	BMED 3106	Integrated Body Systems III: Renal, Fluid and Electrolytes	C		Departmental registration	Mission 6				
	1	BMED 3107	Integrated Body Systems IV:Endocrine and Reproduction	C		Departmental registration	Mission 6				
	1	BMED 3122	Independent Research II	C		Departmental registration					
16 Semester Total Hours											

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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 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 - Wellness.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

		H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL		3	Choose 1		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 registration	Mission 8
			1	BMED 3103	Human Behavior	C		Departmental registration	Mission 9
			2	BMED 3223	Independent Research III	C		Departmental registration	
			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.	
			17	Semester Total Hours					
THIRD YEAR	SPRING		3	Choose 1		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 registration	Mission 10
			2	BMED 4250	Advanced Cell Biology			Departmental registration	Mission 11
			2	BMED 4260	Advanced Molecular Biology			Departmental registration	Mission 12
			2	BMED 3224	Independent Research IV	C		BMED 3223.	
			3	Choose 1	Advanced Elective				See Degree Plan for course options.
			0	Semester Total Hours					
		H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FOURTH YEAR	FALL		3	Choose 1		070		See General Education Core for more details. Options: POLS 2305 or POLS 2385 (H)	
			3	MATH 3331	Applied Statistics I	C		MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
			2	BMED 4240	Medical Microbiology			Departmental registration	Mission 16
			2	BMED 4290	Medical Immunology			Departmental registration	Mission 17
			2	BMED 4230	Human Genetics and Medical Genomics			Departmental registration	Mission 18
			2	BMED 4220	Medical Bioinformatics, Genomics, and Systems Biology			Departmental registration	Mission 19
					14	Semester Total Hours			
FOURTH YEAR	SPRING		3	Choose 1		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 registration	Mission 13
			1	BMED 3101	Pathobiology and Host Defense	C		Departmental registration	Mission 13
			1	BMED 3109	Medical Syndromes	C		Departmental registration	Mission 14
			2	BMED 4270	Introduction to Complementary and Alternative Medicine			Departmental registration	Mission 15
			1	Semester Total Hours					

Graduation Requirements

120 TOTAL HOURS

(42) TOTAL ADVANCED HOURS

Approved:

Revised: Monday, July 10, 2017

Mission notation describes co-requisite requirements. Courses within a mission cannot be dropped individually, and must be taken together.
Credit for MATH 1314/1414 should be received prior to initiating program (MATH exam available)
BMED 2103 - Legal Med & Ethics - Strongly Recommended