

Credit for MATH 1314/1414 are recommended prior to initiating program (MATH exam available). Mission notation describes co-requisite requirements. Courses within a mission cannot be dropped individually, and must be taken together.							
H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
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	American History		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
	3	CHEM 1311	General Chemistry I	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	C	090	Credit/Registration in CHEM 1311	
	3	BMED 1301	Introduction to Biomedical Sciences I	C		Departmental approval	
	1	BMED 1102	Introduction to Biomedical Sciences I Lab			Departmental approval	
			UNIV	1301 Learning Framework 1101 Academic and Career Success 1001 Living and Working by Design			As required, based on credit hours earned, TSI status, High school rank, major declaration
<b>14 Semester Total Hours</b>							
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
	3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328
	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	Language Elective				Medical Spanish or ASL recommended
	3	BMED 1302	Introduction to Biomedical Sciences II	C		Departmental approval	
	1	BMED 1112	Introduction to Biomedical Sciences II Lab	C		Departmental approval	
<b>17 Semester Total Hours</b>							
H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FALL	3	CHEM 2323	Organic Chemistry I			CHEM 1312.	
	1	CHEM 2123	Organic Chemistry I Lab			Credit/registration in CHEM 2323.	
	3	MATH 1342	Elementary Statistical Methods	C		College Ready TSI status in Mathematics	
	3	Choose 1	Creative Arts		050		PHIL 1330 Strongly Recommended
	3	BMED 2301	Integrated Body Systems I	C		Departmental approval	
	1	BMED 2111	Integrated Body Systems Lab I	C		Departmental approval	
	1	BMED 3121	Independent Research I			Departmental approval	
<b>15 Semester Total Hours</b>							
SPRING	3	CHEM 2325	Organic Chemistry II			CHEM 2323.	
	1	CHEM 2125	Organic Chemistry II Lab			Credit/Registration in CHEM 2325	
	3	PSYC 2301	General Psychology		080		
	3	Choose 1	Language, Philosophy & Culture		040		ENGL 2331 Strongly Recommended
	3	BMED 2302	Integrated Body Systems II	C		Departmental approval	
	1	BMED 2112	Integrated Body Systems Lab II	C		Departmental approval	
	1	BMED 3122	Independent Research II			BMED 3121.	
<b>15 Semester Total Hours</b>							

The 2024-2026 list of core courses can be found in the 2024-2026 Undergraduate Catalog: [www.utrgv.edu/catalog](http://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	4	PHYS 1401	General Physics I			MATH 1414, MATH 1314, MATH 2412, or MATH 2413.	
		2	BMED 4250	Advanced Cell Biology			Departmental approval	
		2	BMED 4260	Advanced Molecular Biology			Departmental approval	
		3	BMED 4310	Medical Biochemistry			Departmental approval	
		2	Choose 1	BMED 3223 Experiential Learning in Biomedical Sciences I or BMED 3225 Recent Advances in Biomedical Sciences			BMED 3122	
<b>13 Semester Total Hours</b>								
THIRD YEAR	FALL	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.	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.
		3	BMED 4380	Medical Neuroscience and Neurochemistry			Departmental approval	
		4	BMED 4440	Medical Microbiology			Departmental approval	
		2	BMED 4220	Medical Bioinformatics, Genomics, and Systems Biology			Departmental approval	
		2	BMED 4230	Human Genetics and Medical Genomics			Departmental approval	
		2	Choose 1	BMED 3224 Experiential Learning in Biomedical Sciences II or BMED 3226 Topics in Biomedical Sciences			Departmental approval	
		<b>17 Semester Total Hours</b>						
	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FOURTH YEAR	FALL	3	POLS 2305	U.S. Federal Government & Politics		070		See General Education Core for course options.
		3	STAT 3301	Applied Statistics			MATH 2413 with a grade of 'C' or better.	
		2	BMED 4270	Introduction to Complementary and Alternative Medicine			Departmental approval	
		2	BMED 4290	Medical Immunology			Departmental approval	
		1	BMED 3103	Human Behavior			Departmental approval	
		4	PHYS 1402	General Physics II			PHYS 1401.	
		<b>15 Semester Total Hours</b>						
FOURTH YEAR	SPRING	3	POLS 2306	Texas Government & Politics		070		See General Education Core for course options.
		3	Choose 1	Integrative and Experiential Learning		090		See General Education Core for course options.
		1	Choose 1	Integrative and Experiential Learning		090		
		3	Choose 1	Advanced Elective				See Degree Plan for course options. Choose 3 advanced hours from PSYC, BIOL, CHEM, MATH, PHYS, HPRS, or CSCI.
		3	BMED 4395	Advanced Pathophysiology			Departmental approval	
		1	BMED 3109	Medical Syndromes			Departmental approval	
<b>14 Semester Total Hours</b>								

120 TOTAL HOURS

(42) Advanced minimum credit hours

Revised: Wednesday, October 10th, 2024