



A.S. in Biology

to

B.S. in Biomedical Science

This four-year plan provides a model for on-time completion of the B.S. in Biomedical Science at UTRGV by starting at South Texas College.

Year	First Semester		Second Semester	
F R E S H M A N	STC Requirement	UTRGV Equivalent	STC Requirement	UTRGV Equivalent
	ENGL 1301 (Communication Core)	ENGL 1301 (Communication Core)	ENGL 1302 (Communication Core)	ENGL 1302 (Communication Core)
	HIST 1301 or HIST 2327 (American History Core)	HIST 1301 or HIST 2327 (American History Core)	CHEM 1411 (Life & Physical Science Core)	CHEM 1311 and CHEM 1111 (Life & Physical Science Core, Required for BMED major at UTRGV)
	Mathematics Core: MATH 2413	MATH 2413 (Mathematics Core, Required for BMED Major at UTRGV)	BIOL 2401 (Major)	BMED 1108 and BMED 1110 and BMED 1111 and BMED 2102 (Major)*
	BIOL 1406 (Major)	BMED 1102 and BMED 1103 and BMED 1104 and BMED 1105 and (Major)*	HIST 1302 or HIST 2328 (American History Core)	HIST 1302 or HIST 2328 (American History Core)
			Creative Arts (Core)	Creative Arts (Core)
Year	Third Semester		Fourth Semester	
S O P H O M O R E	STC Requirement	UTRGV Equivalent	STC Requirement	UTRGV Equivalent
	GOVT 2305 (Political Science Core)	POLS 2305 (Political Science Core)	GOVT 2306 (Political Science Core)	POLS 2306 (Political Science Core)
	CHEM 1412 (Life & Physical Science Core)	CHEM 1312 & CHEM 1112 (Life & Physical Science Core)	CHEM 2423 (Major)	CHEM 2323 & CHEM 2123 (Major)
	BIOL 2402 (Major, Substitution for BIOL 1407)	BIOL 2402 (Fulfills Advanced Elective Requirement in the Major, Advanced credits are not applied)*	BIOL 2421 (Major)	BMED 1101 and BMED 1106 and BMED 1107 and BMED 1109 (Major)*
	PSYC 2301 (Social & Behavioral Science Core)	PSYC 2301 (Social & Behavioral Science Core, Required for BMED Major at UTRGV)	Language, Philosophy & Culture (Core)	Language, Philosophy & Culture (Core)
	Component Area Option (Core)	Integrative and Experiential Learning (Core)	N/A	
	N/A			

*Substitutions apply to cohorts admitted to the UTRGV BMED program AY 19-20, AY 20-21, 21-22, and 22-23.

Four-year plan aligns with the 2019-2023 programs of study. 6.28.23

Year	Fall Semester	Spring Semester
J U N I O R	MATH 1342 Elementary Statistical Method	BMED 2101 Gross Anatomy
	BMED 3104 Integrated Body Systems I: Cardiovascular	BMED 3105 Integrated Body Systems II: Gastrointestinal System
	BMED 3108 Integrated Body Systems: V: Dermatology, Hematology and Musculoskeletal	BMED 3106 Integrated Body Systems III: Renal, Fluid and Electrolytes
	BMED 4250 Advanced Cell Biology	BMED 3107 Integrated Body Systems IV: Endocrine and Reproductive
	BMED 4260 Advanced Molecular Biology	BMED 3102 Neurochemistry
	BMED 4310 Medical Biochemistry	BMED 4280 Advanced Medical Neuroscience
	BMED 3121 Independent Research I	BMED 4440 Medical Microbiology
	Choose One Spanish Elective	BMED 4220 Medical Bioinformatics, Genomics, and Systems Biology
		BMED 4230 Human Genetics and Medical Genomics
Year	Fall Semester	Spring Semester
S E N I O R	PHYS 1401 General Physics I	CHEM 2325 Organic Chemistry II
	STAT 3301 Applied Statistics for Science, Engineering and Medical Science	CHEM 2125 Organic Chemistry II Lab
	BMED 4270 Introduction to Complementary and Alternative Medicine	PHYS 1402 General Physics II
	BMED 4290 Medical Immunology	BMED 4295 Pathophysiology
	BMED 3103 Human Behavior	BMED 3101 Pathobiology and Host Defense
		BMED 3109 Medical Syndromes
		BMED 3124 Independent Research IV

This degree requires 120 hours and a minimum of 42 advanced (3000 and 4000) credit hours.

Admission requirements for this program beyond university admission requirements. See admissions [page](#).

- UTRGV accepted (checked PreBMED box on Texas Apply form)
- Submitted secondary BMED application [online](#).
- Unofficial High School Transcripts (if not UTRGV accepted yet)
- Unofficial College Transcripts (if applicable, and not UTRGV accepted yet)
- SAT/ACT scores (optional)
- Student information survey [form](#) (upload with online application form)