



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)
	Creative Arts (Core)	Creative Arts (Core)	CHEM 1411 (Life & Physical Science Core)	CHEM 1311 and CHEM 1111 (Life & Physical Science Core)
	Mathematics Core: MATH 2413 (Required at UTRGV)	MATH 2413 (Mathematics Core)	BIOL 1407 (Major)	BIOL 1407
	BIOL 1406 (Major)	BMED 1102 and BMED 1103 and BMED 1104 and BMED 1105 (Major)	HIST 1301 or HIST 2327 (American History Core)	HIST 1301 or HIST 2327 (American History Core)
Third Semester				
STC Requirement		UTRGV Equivalent		
HIST 1302 or HIST 2328 (American History Core)		HIST 1302 or HIST 2328 (American History Core)		
Year	Fourth Semester		Fifth 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 2401 (Major)	BMED 1110 and BMED 1111 and BMED 2102 (Major)	BIOL 2421 (Major)	BMED 1101 and BMED 1106 and BMED 1107 and BMED 1109 (Major)
	PSYC 2301 (Required for UTRGV; Social & Behavioral Science Core)	PSYC 2301 (Social & Behavioral Science Core)	Component Area Option (Core)	Integrative and Experiential Learning (Core)
Sixth Semester				
STC Requirement		UTRGV Equivalent		
Language, Philosophy & Culture (Core) Recommended: PHIL 1301 (Required at STC)		Language, Philosophy & Culture (Core)		
Year	Fall Semester		Spring Semester	
J	MATH 1342 Elementary Statistical Method		BMED 2101 Gross Anatomy	

Four-year plan aligns with the 2022-2023 programs of study.

U N I O R	BMED 1108 Introductory Medical Neuroscience	BMED 3105 Integrated Body Systems II: Gastrointestinal System
	BMED 3104 Integrated Body Systems I: Cardiovascular	BMED 3106 Integrated Body Systems III: Renal, Fluid and Electrolytes
	BMED 3108 Integrated Body Systems: V: Dermatology, Hematology and Musculoskeletal	BMED 3107 Integrated Body Systems IV: Endocrine and Reproductive
	BMED 4250 Advanced Cell Biology	BMED 3102 Neurochemistry
	BMED 4260 Advanced Molecular Biology	BMED 4280 Advanced Medical Neuroscience
	BMED 4310 Medical Biochemistry	BMED 4440 Medical Microbiology
	BMED 3121 Independent Research I	BMED 4220 Medical Bioinformatics, Genomics, and Systems Biology
	Choose 1 Spanish Elective	BMED 4230 Human Genetics and Medical Genomics
	BMED 3122 Independent Research II	
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
	Choose 1 Advanced Elective	PHYS 1402 General Physics II
	BMED 4270 Introduction to Complementary and Alternative Medicine	BMED 4295 Pathophysiology
	BMED 4290 Medical Immunology	BMED 3101 Pathobiology and Host Defense
	BMED 3103 Human Behavior	BMED 3109 Medical Syndromes
	BMED 3123 Independent Research III	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 are beyond university admission requirements. (

<https://www.utrgv.edu/hbs/undergraduate-programs/bs-bmed-hybrid/admission-criteria/bmed-application-instructions/index.htm>)

- UTRGV accepted (checked PreBMED box on Texas Apply form)
- Submitted secondary BMED application online. (<https://www.utrgv.edu/hbs/undergraduate-programs/bs-bmed-hybrid/admission-criteria/bmed-application/index.htm>)
- 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)
<https://www.utrgv.edu/hbs/files/documents/bmed/2023-bmed-admissions-survey.pdf>

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