

**The University of Texas Rio Grande Valley/South Texas College**  
**Suggested Four-Year Road Map for Transfer Students, Academic Year 2020-2021**

Associate of Science with a field of study in Biology and Bachelor of Science in Biomedical Sciences

First Year - Fall Semester - STC		Hours	
ENGL 1301 Composition I		3	
HIST 1301 United States History I		3	
BIOL 1406 Biology for Science Majors I		4	
MATH 2413 Calculus I		4	
Total Fall Semester Hours		14	
Summer I			
Total Summer I Hours		0	
First Year - Spring Semester - STC		Hours	
ENGL 1302 Composition II (core)		3	
HIST 1302 United States History II		3	
BIOL 2401 Anatomy and Physiology I		4	
Core curriculum creative arts course		3	
CHEM 1411 General Chemistry I		4	
Total Spring Semester Hours		17	
Summer II			
Total Summer II Hours		0	
Second Year - Fall Semester - STC		Hours	
GOVT 2305 Federal Government (core)		3	
BIOL 2402 Anatomy and Physiology II		4	
CHEM 1412 General Chemistry II		4	
Core curr. comp. area option		3	
Core curr. soc. & behav. science (PSYC 2301)*		3	
UTRGV(BMED 3121 Independent Research I)		1	
Total Fall Semester Hours		18	
Summer I			
Total Summer I Hours		0	
Second Year - Spring Semester - STC		Hours	
GOVT 2306 Texas Government (core)		3	
BIOL 2421 Microbiology FS		4	
CHEM 2423 Organic Chemistry I		4	
Core curriculum language, philosophy, and culture		3	
UTRGV(BMED 3122 Independent Research II)		1	
Total Spring Semester Hours		15	
Summer II			
Total Summer II Hours		0	
Third Year - Fall Semester - UTRGV		Hours	
MATH 1342 Elementary Statistical Methods		3	
BMED 3104 Integrated Body Systems I: Cardiovascular and		1	
BMED 3108 Integrated Body Systems V: Dermatology, I		1	
BMED 3102 Neurochemistry		1	
BMED 4280 Advanced Medical Neuroscience		2	
BMED 3103 Human Behavior		1	
BMED 3123 Independent Research III		1	
Advanced Elective		3	
Total Fall Semester Hours		13	
Summer I			
Total Summer I Hours		0	
Third Year - Spring Semester - UTRGV		Hours	
CHEM 2325 Organic Chemistry II		3	
CHEM 2125 Organic Chemistry II Lab		1	
BMED 2101 Gross Anatomy		1	
BMED 3105 Integrated Body Systems II: Gastrointestina		1	
BMED 3106 Integrated Body Systems III: Renal, Fluid an		1	
BMED 3107 Integrated Body Systems IV: Endocrine and		1	
BMED 4310 Medical Biochemistry		3	
BMED 4250 Advanced Cell Biology		2	
BMED 4260 Advanced Molecular Biology		2	
BMED 3124 Independent Research IV		1	
Total Spring Semester Hours		16	
Summer II			
Total Summer II Hours		0	
Fourth Year Fall Semester - UTRGV		Hours	
PHYS 1401 College Physics I		4	
BMED 4440 Medical Microbiology		4	
BMED 4290 Medical Immunology		2	
BMED 4230 Human Genetics and Medical Genomics		2	
BMED 4220 Medical Bioinformatics, Genomics, and		2	
Total Fall Semester Hours		14	
Fourth Year Spring Semester - UTRGV		Hours	
PHYS 1402 College Physics II		4	
STAT 3301 Applied Statistics for Science, Engineering a		3	
BMED 4295 Pathophysiology		2	
BMED 3101 Pathobiology and Host Defense		1	
BMED 3109 Medical Syndrome		1	
BMED 4270 Introduction to Complementary and Alt		2	
Total Spring Semester Hours		13	
Total Degree Hours			120

\*Meets UTRGV Social & Behavioral Sciences core and BMED Major