

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

Science Associate of Science and Bachelor of Science in Biomedical Sciences

<b>First Year - Fall Semester - TSC</b>		<b>Hours</b>	<b>First Year - Spring Semester - TSC</b>		<b>Hours</b>
BIOL 1306 Biology for Science Majors I		3	BIOL 1307 Biology for Science Majors II		3
BIOL 1106 Biology for Science Majors I Lab		1	BIOL 1107 Biology for Science Majors II Lab		1
ENGL 1301 Composition I (core)		3	CHEM 1311 General Chemistry I		3
MATH 1314 College Algebra**		3	CHEM 1111 General Chemistry I Lab***		1
PSYC 2301 General Psychology* (core)		3	MATH 2412 Pre-Calculus**		4
XXXX X3XX Language, Philosophy & Culture		3	XXXX X3XX Creative Arts		3
<b>Total Fall Semester Hours</b>		<b>16</b>	<b>Total Spring Semester Hours</b>		<b>15</b>
<b>Summer I</b>			<b>Summer II</b>		
<b>Total Summer I Hours</b>		<b>0</b>	<b>Total Summer II Hours</b>		<b>0</b>
<b>Second Year - Fall Semester - TSC</b>		<b>Hours</b>	<b>Second Year - Spring Semester - TSC</b>		<b>Hours</b>
CHEM 1312 General Chemistry II		3	PHYS 1301 College Physics I		3
CHEM 1112 General Chemistry II lab***		1	PHYS 1101 College Physics I Lab		1
HIST 1301 United States History I (core) or		3	HIST 1302 United States History II or		3
HIST 2327 Mexican-American History I			HIST 2328 Mexican-American History II (core)		
GOVT 2305 Federal Government (core)		3	GOVT 2306 Texas Government (core)		3
ENGL 1302 Composition II		3	XXX X3XX Components Area		3
UTRGV(BMED 3121 Independent Research I)		1	XXX X3XX Components Area		3
			UTRGV(BMED 3122 Independent Research II)		1
<b>Total Fall Semester Hours</b>		<b>14</b>	<b>Total Spring Semester Hours</b>		<b>17</b>
<b>Summer I</b>			<b>Summer II</b>		
			MATH 1342 Elementary Statistical Methods		3
<b>Total Summer I Hours</b>		<b>0</b>	<b>Total Summer II Hours</b>		<b>3</b>
<b>Third Year - Fall Semester - UTRGV</b>		<b>Hours</b>	<b>Third Year - Spring Semester - UTRGV</b>		<b>Hours</b>
BMED 1108 Introductory Medical Neuroscience		1	CHEM 2323 Organic Chemistry I		3
BMED 3104 Integrated Body Systems I: Cardiovascular		1	CHEM 2123 Organic Chemistry I Lab		1
BMED 3108 Integrated Body Systems V: Dermatology, I		1	BMED 2101 Gross Anatomy		1
BMED 1110 Introductory Medical Physiology		1	BMED 3105 Integrated Body Systems II: Gastrointestina		1
BMED 1111 Introduction to Biomedical II Lab		1	BMED 3106 Integrated Body Systems III: Renal, Fluid a		1
BMED 1102 Introduction to Medical I Lab		1	BMED 3107 Integrated Body Systems IV: Endocrine and		1
BMED 3102 Neurochemistry		1	BMED 4250 Advanced Cell Biology		2
BMED 4280 Advanced Medical Neuroscience		2	BMED 4260 Advanced Molecular Biology		2
BMED 3103 Human Behavior		1	BMED 4310 Medical Biochemistry		3
BMED 3123 Independent Research III		1	BMED 3124 Independent Research IV		1
Spanish elective		3			
<b>Total Fall Semester Hours</b>		<b>14</b>	<b>Total Spring Semester Hours</b>		<b>16</b>
<b>Summer I</b>			<b>Summer II</b>		
MATH 2413 Calculus I		4	CHEM 2325 Organic Chemistry II		3
			CHEM 2125 Organic Chemistry II Lab		1
<b>Total Summer I Hours</b>		<b>4</b>	<b>Total Summer II Hours</b>		<b>4</b>
<b>Fourth Year Fall Semester - UTRGV</b>		<b>Hours</b>	<b>Fourth Year Spring Semester - UTRGV</b>		<b>Hours</b>
BMED 4230 Human Genetics and Medical Genomics		2	STAT 3301 Applied Statistics for Science, Engineeri		3
BMED 4220 Medical Bioinformatics, Genomics, and Sy		2	PHYS 1402 College Physics II		4
BMED 4440 Medical Microbiology		4	BMED 3109 Medical Syndrome		1
BMED 4290 Medical Immunology		2	BMED 4270 Introduction to Complementary and Alterna		2
Advanced elective		3	BMED 4295 Pathophysiology		2
			BMED 3101 Pathobiology and Host Defense		1
<b>Total Fall Semester Hours</b>		<b>13</b>	<b>Total Spring Semester Hours</b>		<b>13</b>
<b>Total Degree Hours</b>					<b>129</b>

\*Meets UTRGV Social & Behavioral Sciences core and BMED Major, \*\*does not count toward BMED degree, \*\*\*would have counted towards UTRGV 090 core