2019 Biology Pre-Medical Four Year Degree Plan

	First Year Fall			First Year Spring	
BIO 1404	Biosciences I	4	BIO 1414	Biosciences II	4
CHE 1103	General Chemistry I	3	CHE 1113	General Chemistry II	3
CHE 1121	General Chemistry I Lab	1	CHE 1131	General Chemistry II Lab	1
WRC 1013	Freshman Composition I	3	WRC 1023	Freshman Composition II	3
AIS 1203	Academic Inquiry & Scholarship	3	MAT 1193	Calculus for Biosciences	3
			SOC 1013	Introduction to Sociology	3
TOTAL		**14**	**TOTAL**		**17**
	Second Year Fall			**Second Year Spring**	
BIO 2313	Genetics	3	PSY 1013/CORE 080	Introduction to Psychology	3
BIO 2322	Genetics Lab	2	STA 1403	Statistics for Biosciences	3
CHE 2603	Organic Chemistry I	3	CHE 3643	Organic Chemistry II	3
CHE 2612	Organic Chemistry I Lab	2	CHE 3652	Organic Chemistry II lab	2
PHY 1603 or PHY 1943	Physics I	3	PHY 1623 or PHY 1963	Physics II	3
PHY 1611 or PHY 1951	Physics I Lab	1	PHY 1631 or PHY 1971	Physics II lab	1
TOTAL		**14**	**TOTAL**		**15**
	Third Year Fall			**Third Year Spring**	
BIO 3513 **	Biochemistry	3	BIO 3813 **	Cellular Biology	3
BIO 3522	Biochemistry Lab	2	BIO 3822	Cellular Biology lab	2
BIO 3413 **	Physiology	3	BIO 3713	Microbiology	3
BIO 3422	Physiology Lab	2	BIO 3722	Microbiology Lab	2
BIO 4813	Brain and Behavior	3	BIO 3433	Neurobiology	3
PSY 4253	Psychology of Health	3	BIO 4743 **	Immunology	3
TOTAL		**16**	**TOTAL**		**16**
Students should take the MCAT or DAT in the summer between the Junior and Senior year, to apply for professional school as Seniors.					
	Fourth Year Fall			**Fourth Year Spring**	
BIO 4842 **	Clinical Gross Anatomy Lab	2	CORE 040	Language, Philosophy, Culture	3
BIO 3XX3	Upper Division Biology Elective	3	CORE 050	Creative Arts	3
CORE 060	American History	3	CORE 060	American History	3
CORE 070	Political Science	3	CORE 070	Political Science	3
CS 1173/CORE 090	Data Analysis & Visualization	3	XXX2	Free Elective	2
TOTAL		**14**	**TOTAL**		**14**
Total hrs for BS/BIO is 120				Total hrs listed here:	**120**
See **NOTES** on reverse side.					

NOTES:

Red text indicates courses required to advance from Pre-Biology to Biology (C- or better)
Purple text indicates elective courses that must be completed to be awarded the Pre-Medical Sciences Concentration.
** Indicate courses that can be taught specifically for Pre-Medical Sciences students if there is sufficient interest. See webpage for details.
Highlight indicates courses required for Texas medical schools. The student must have a minimum of 14 hours of Biology credit
Please check specific requirements for the schools to which you plan to apply.
Professional schools that require Anatomy and Physiology may accept Bio 3123, Bio 3413 and Bio 4842 as a substiution. Check with the school.
Organic II Laboratory is not required for the Biology degree or Texas Medical Schools, but may be required for schools outside Texas.

Revised 7/9/19