

## 2019 Biology Pre-Pharmacy Four Year Degree Plan

First Year Fall			First Year Spring		
<b>BIO 1404</b>	<b>Biosciences I</b>	<b>4</b>	<b>BIO 1414</b>	<b>Biosciences II</b>	<b>4</b>
<b>CHE 1103</b>	<b>General Chemistry I</b>	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	<b>MAT 1193</b>	<b>Calculus for Biosciences</b>	<b>3</b>
			SOC 1013	Introduction to Sociology	3
<b>TOTAL</b>		<b>14</b>	<b>TOTAL</b>		<b>17</b>
Second Year Fall			Second Year Spring		
<b>BIO 2313</b>	<b>Genetics</b>	3	PHY 1623 or PHY 1963	Physics II	3
BIO 2322	Genetics Lab	2	PHY 1631 or PHY 1971	Physics II lab	1
<b>PHY 1603 or PHY 1943</b>	<b>Physics I</b>	<b>3</b>	CHE 3643	Organic Chemistry II	3
PHY 1611 or PHY 1951	Physics I Lab	1	CHE 3652	Organic Chemistry II lab	2
CHE 2603	Organic Chemistry I	3	STA 1403	Statistics for Biosciences	3
CHE 2612	Organic Chemistry I Lab	2	<b>PSY 1013/CORE 080</b>	<b>Introduction to Psychology</b>	3
<b>TOTAL</b>		<b>14</b>	<b>TOTAL</b>		<b>15</b>
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	<b>BIO 3713</b>	<b>Microbiology</b>	3
BIO 3422	Physiology Lab	2	<b>BIO 3722</b>	<b>Microbiology Lab</b>	2
<b>BIO 4813</b>	<b>Brain and Behavior</b>	3	<b>BIO 3433</b>	<b>Neurobiology</b>	3
<b>ENG 2XX3 or COM 2113</b>	<b>Literature or Speech</b>	3	<b>BIO 4743 **</b>	<b>Immunology</b>	3
<b>TOTAL</b>		<b>16</b>	<b>TOTAL</b>		<b>16</b>
Students should take the PCAT in the summer between the Junior and Senior year, to apply for professional school as Seniors.					
Fourth Year Fall			Fourth Year Spring		
<b>BIO 4842 **</b>	<b>Clinical Gross Anatomy Lab</b>	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
<b>TOTAL</b>		<b>14</b>	<b>TOTAL</b>		<b>14</b>
Total hrs for BS/BIO is 120				Total hrs listed here:	<b>120</b>
See <b>NOTES</b> 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 pharmacy schools.**

**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 substitution. Check with the school.**

Revised 7/9/19