

# BAYLOR BOUND MAJOR ACADEMIC PLANNER

## Bachelor of Science in Biochemistry

*A Suggested Sequence of Required Courses for a Tyler transfer student (2017-2018 Catalog)*

Freshman Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	CHA 1088	Chapel	0		CHA 1088	Chapel	0
ENGL 1301	ENG 1302	Thinking and Writing	3		REL 1310	Christian Scriptures	3
See Reverse		Math	3	MATH 2413	MTH 1321	Calculus I	3
See Reverse		Foreign Language	4	See Reverse		Foreign Language	4
See Reverse		Lifetime Fitness	1	See Reverse		Lifetime Fitness	1
CHEM 1411	CHE 1301-1101	Basic Principles of Modern Chemistry I with Lab	4	CHEM 1412	CHE 1302-1102	Basic Principles of Modern Chemistry II with Lab	4
			15				15
Sophomore Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
MATH 2414	MTH 1322	Calculus II	3	ENGL 2322	ENG 2301	British Literature	3
BIOL 1406	BIO 1305-1105	Modern Concepts of Bioscience I with Lab	4	BIOL 1407	BIO 1306-1106	Modern Concepts of Bioscience II with Lab	4
See Reverse		Foreign Language	3	See Reverse		Foreign Language	3
See Reverse		Lifetime Fitness	1	See Reverse		Lifetime Fitness	1
	CHE 2216	Lab Measurements & Techniques	3		CHE 3238	Organic Chemistry Lab	2
CHEM 2323	CHE 3331**	Organic Chemistry I	2	CHEM 2425	CHE 3332**	Organic Chemistry II	3
			16				16
Junior Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
ENGL 2327,2328 or 2332,2333	ENG 2304 or 2306	American or World Literature	3		REL 1350	Christian Heritage	3
See Reverse		History/Social Science	3	See Reverse		History/Social Science	3
See Reverse	PSC 2302	American Constitutional Development	3		PHY 1430	General Physics II	4
	PHY 1420	General Physics I	4			Elective	3
	CHE 4141	Modern Biochemistry Lab	3		CHE 4142	Advanced Biochemistry Lab	1
	CHE 4341	General Biochemistry	3		CHE 4342	Topics in Human Biochemistry	3
			19				17
Senior Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	CHE 4327	Physical Chemistry for Life Sciences	3		CHE 4001	Exit Examination	0
	CHE 4151	Undergraduate Seminar I	1		CHE 4217 or 4237	Instrumental Analysis Lab or Advanced Organic Lab	2
	CHE 4125	Biophysical Chemistry Lab	1		CHE 4316	Instrumental Analysis	3
	ENG 3300	Technical and Professional Writing	3			Advanced Biology Elective	4
	BIO 4306-4106	Molecular Genetics with Lab	4			Advanced Elective	4
		Elective	3			Elective	3
			15				16

**Notes about major requirements:**

- CHE courses in the first two years must not be deferred, except that CHE 1316 may be delayed one semester.
- PHY 1430 must be completed by the end of the junior year.
- CHE 4327 and 4125 must be taken in the fall of junior year or senior year. Prerequisites are CHE 2216, 4341 or concurrent enrollment, MTH 1322 and PHY 1430.
- 4000 level CHE courses, except 4341, are only taught once per year, in the semesters indicated above.
- \*\*CHEM 2423 and 2425 will count as CHE 2T01 and 2T02 organic chemistry I and II but will not count as advanced course work.
- English requirement: It is recommended that science majors take ENG 3300 their junior or senior year rather than ENG 1304.
- For more information, see the Baylor Undergraduate Catalog.

**Please see reverse side for important information on general requirements.**

BACHELOR OF SCIENCE (BS) DEGREE CHECKLIST  
(2017-2018 BAYLOR UNDERGRADUATE CATALOG)

SOUTH TEXAS COURSE	BAYLOR COURSE	BAYLOR TITLE
<b>ENGLISH:</b>		
ENGL 1301	ENG 1302	Thinking and Writing
	ENG 1304	Thinking, Writing & Research
ENGL 2322	ENG 2301	British Literature
ENGL 2327 or 2328	ENG 2304	American Literature
ENGL 2332 or 2333	ENG 2306	World Literature

<b>HISTORY/SOCIAL SCIENCE:</b>		
	ANT 1305	Introduction to Anthropology
	ANT 3301	Science, Society, and Culture
	ECO 1305	Survey of Eco. Princ. For Non-bus. Majors
ECON 2302	ECO 2306	Principles of Microeconomics
ECON 2301	ECO 2307	Principles of Macroeconomics
GEOG 1303	GEOG 1300	World Geography
	HIS 1305	World History to 1500
	HIS 1307	World History since 1500
HIST 1301	HIS 2365	History of the U.S. to 1877
HIST 1302	HIS 2366	History of the U.S. since 1877
	PHI 1306	Logic
	PHI 1307	Critical Thinking
PHIL 2306	PHI 1308	Introduction to Ethics
	PHI 1321	Introduction to Philosophy
	PHI 3301	Moral Philosophy
	PHI 3310	History of Philosophy: Classical
	PHI 3312	History of Philosophy: Modern Europe
GOVT 2305	PSC 1305	American National Government
GOVT 2306	PSC 1306	American State & Local Government
PSYC 2301	PSY 1305	Introductory Psychology
SOCI 1301	SOC 1305	Introduction to Sociology

<b>POLITICAL SCIENCE:</b>		
GOVT 2305 AND 2306	PSC 2302	American Constitutional Development
(Note: Both GOVT 2305 and 2306 must be complete before coming to Baylor to receive credit for PSC 2302. This course may not be transferred from another school after the student has earned hours at Baylor.)		

**LIFETIME FITNESS: Four activity courses are required**

SOUTH TEXAS COURSE	BAYLOR COURSE	BAYLOR TITLE
<b>SCIENCE:</b>		
BIOL 1406	BIO 1305-1105	Modern Concepts of Bioscience
BIOL 1407	BIO 1306-1106	Modern Concepts of Bioscience, Continued
GEO 1403	GEO 1405	The Dynamic Earth
GEO 1404	GEO 1406	Earth Through Time
	NSC 1306-1106	Introduction to Neuroscience
CHEM 1411	CHE 1301-1101	Basic Principles of Chemistry I
CHEM 1412	CHE 1302-1102	Basic Principles of Chemistry II
	PHY 1408	Gen. Physics for Nat. & Behavioral Sci.I
PHYS 1402	PHY 1409	Gen. Physics for Nat. & Behavioral Sci.II
	PHY 1420	General Physics I
	PHY 1430	General Physics II
	ENV 1301-1101	Exploring Environmental Issues and lab
	ENV 1303-1103	Wildlife Ecology and lab

<b>MATH:</b>		
	MTH 1320	Pre-Calculus
MATH 2413	MTH 1321	Calculus I
MATH 2414	MTH 1322	Calculus II

**FOREIGN LANGUAGE: To be fulfilled with one of the following options:**  
 A. Complete ONE Modern or Classical language through the 2320 level **OR**  
 B. Complete TWO Classical languages through the 1302 or 1402 level.  
 Two languages from Latin, Greek, and Hebrew may be used. (It is strongly recommended that the language requirement be started during the first year of residence work. Chemistry, Biochemistry, and Mathematics majors are required to take a modern foreign language.)

FREN 1411	FRE 1401	Elementary French I
FREN 1412	FRE 1402	Elementary French II
FREN 2311	FRE 2310	Intermediate French I
FREN 2312	FRE 2320	Intermediate French II
JAPN 1411	JPN 1401	Introductory Japanese
JAPN 1412	JPN 1402	Elementary Japanese
SPAN 1411	SPA 1401	Elementary Spanish I
SPAN 1412	SPA 1402	Elementary Spanish II
SPAN 2311	SPA 2310	Intermediate Spanish I
SPAN 2312	SPA 2320	Intermediate Spanish II

<b>Taught at Baylor; no equivalent course at Tyler</b>		
<u>Modern Languages:</u>		<u>Classical Languages:</u>
Arabic (ARB)	Korean (KOR)	Hebrew (HEB)
Chinese (CHI)	Portuguese (POR)	Greek (GKC)
German (GER)	Russian (RUS)	Latin (LAT)
Italian (ITA)	Swahili (SWA)	