

BAYLOR BOUND MAJOR ACADEMIC PLANNER

Bachelor of Science in Chemistry (ACS Certified, Biochemistry Concentration)

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	MATH 2425	MTH 2321	Calculus III	3
	PHY 1420	General Physics I	4		PHY 1430	General Physics II	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	2	CHEM 2425	CHE 3332**	Organic Chemistry II	3
CHEM 2323	CHE 3331**	Organic Chemistry I	3		CHE 3238	Organic Chemistry Lab	2
			16				16
Junior Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	REL 1350	Christian Heritage	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	3
	MTH 3325 or STA 2381	Ordinary Differential Equations or Introductory Statistical Methods	3		CHEM 4302	Descriptive Inorganic Chemistry	3
	CHE 4321	Physical Chemistry I	1		CHE 4322	Physical Chemistry II	3
	CHE 4341	General Biochemistry	3		CHE 4128	Physical Chemistry Lab II	1
	CHE 4141	Modern Biochemistry Lab	1		CHE 4342	Topics in Human Biochemistry	3
	CHE 4127	Physical Chemistry Lab I	1		CHE 4142	Advanced Biochemistry Lab	1
			16				17
Senior Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	See Below	4000 Level Chemistry Lecture Course	2		CHE 4316	Instrumental Analysis	3
	CHE 4151	Undergraduate Seminar I	1		See Below	4000 Level Chemistry Lab	2
	ENG 3300	Professional and Technical Writing	3		CHE 4001	Exit Examination	0
See Reverse	PSC 2302	American Constitutional Development	3	ENGL 2327,2328 or 2332,2333	ENG 2304 or 2306	American or World Literature	3
See Reverse		History/Social Science	3	See Reverse		History/Social Science	3
See Reverse		Elective	3			Advanced Elective	3
		Elective	3				
			18				14

Notes about major requirements:

- CHE, MTH, and PHY courses in the first two years must not be deferred.
- MTH 2321 must be completed by the end of sophomore year.
- PHY 1430 must be completed by the end of sophomore year.
- CHE 4321 and 4127 must be taken in the fall of your junior year, Prerequisites are MTH 2321 and PHY 1430.
- 4000 level chemistry courses, except 4341, are taught only once per year, in the semesters indicated.
- MTH 3325 or STA 2381 or STA 3381: MTH 3325 is recommended unless student is Pre-Health
- CHE 4000: Two semester hours selected from CHE 4207, 4217, 4237, (one hour each of CHE 4199 and 4V98).
- 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.

**CHEM 2423 and 2425 will count as CHE 2T01 and 2T02 organic chemistry I and II but will not count as advanced course work.

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
ENGLISH:		
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

HISTORY/SOCIAL SCIENCE:		
	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

POLITICAL SCIENCE:		
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
SCIENCE:		
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

MATH:		
	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

Taught at Baylor; no equivalent course at Tyler		
<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)	