

# BAYLOR BOUND MAJOR ACADEMIC PLANNER

## Bachelor of Arts 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
MATH 2412	MTH 1320	Precalculus	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	2		CHE 3238	Organic Chemistry Lab	2
CHEM 2423	CHE 3331**	Organic Chemistry I	3	CHEM 2425	CHE 3332**	Organic Chemistry II	3
			16				16
Junior Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	ENG 3300	Technical Writing	3		REL 1350	Christian Heritage	3
See Reverse		Social Science	3	See Reverse		Fine Art	3
See Reverse	PSC 2302	American Constitutional Development	3	See Reverse		Social Science	3
	PHY 1408 or 1420	General Physics I	4	PHYS 1402	PHY 1409 or PHY 1430	General Physics II	4
	CHE 4341	General Biochemistry	3		CHE 4342	Topics in Human Biochemistry	3
	CHE 4141	Modern Biochemistry Lab	1		CHE 4142	Advanced Biochemistry Lab	1
			17				17
Senior Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	CHE 4151	Undergraduate Seminar I	1		CHE 4001	Exit Examination	0
	CHE 4125	Biophysical Chemistry Lab	1	See Reverse		Fine Art	3
	CHE 4327	Physical Chemistry for Life Sciences	3	See Reverse		Social Science	3
ENGL 2327-2328 or 2332,2333	ENG 2304 or 2306	American or World Literature	3	See Reverse		History	3
See Reverse		Fine Art	3			Advanced Elective	3
See Reverse		History	3			Advanced Elective	3
See Reverse		Lifetime Fitness	1			Advanced Elective	3
			15				18

**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 or 1409 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 or 1409.
- 4000 level CHE courses, except 4341, are only taught once per year, in the semesters indicated above.
- One Fine Art or Social Science may need to be a 3000-4000 level course to meet the advanced hour requirement.
- English requirement: It is recommended that science majors take ENG 3300 their junior or senior year rather than ENG 1304. Students may also take FAS 1118, 1128, and 1138 instead of 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.**

TYLER 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>FINE ARTS: Three courses, each from a different areas (i.e. ART, THEA, MUS, etc.):</b>		
ARTS 1301	ART 1300	Introduction to Art
ARTS 1303	ART 2302	History of Art I
	ART 2303	History of Art II
	CLA 3380	Classical Mythology
	FAS 1306	Freshman Academic Seminar: Fine Arts
COMM 1307	JOU/FDM 1303	Introduction to Mass Communication
MUSI 1306	MUS 1220	Introduction to Music
	MUS 3322	American Popular Music
	MUS 3323	History of Jazz
SPCH 1311 or 1315	CSS 1301	Fundamentals of Public Communications
SPCH 1321	CSS 1302	Speech for Business & professional Students
	CSS 1304	Argumentation, Discussion, and Debate
DRAM 1310	THEA 1206	Theatre Appreciation
DRAM 2361	THEA 2374	History of Theatre I

<b>HISTORY:</b>		
	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

<b>SOCIAL SCIENCES: Three courses, each from a different areas (i.e. ANT, SOC, PSY, etc.):</b>		
	ANT 1305	Introduction to Anthropology
	ANT 1325	Introduction to Global Health
	ANT 2302	The Emergence of World Civilizations
	ANT 3301	Science, Society, and Culture
	ECO 1305	Survey of Econ Princ. For Non-bus. Majors
ECON 2302	ECO 2306	Principles of Microeconomics
ECON 2301	ECO 2307	Principles of Macroeconomics
	FAS 1303	Freshman Academic Seminar: Medicine...
	FAS 1305	Freshman Academic Seminar: Social Science
GEOG 1303	GEOG 1300	World Geography
	HON 3100	Advanced Readings and Research Honors
	HON 3101	Advanced Readings and Research Honors
	HON 3200	Colloquium Honors
	HON 3201	Colloquium Honors
	PHI 1306	Logic
	PHI 1307	Critical Thinking
PHIL 2306	PHI 1308	Introduction to Ethics
PHIL 1301	PHI 1321	Introduction to Philosophy
	PHI 3301	Moral Philosophy
	PHI 3310	History of Philosophy: Classical
	PHI 3312	History of Philosophy: Modern Europe
	PHI 3322	Philosophy and the Arts (for Art majors)
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. This substitution is not available for Political Science majors.

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

TYLER COURSE	BAYLOR COURSE	BAYLOR TITLE
<b>LAB SCIENCE: One course from each area:</b>		
<b>AREA 1:</b>		
BIOL 1408 or 2404	BIO 1401	Current Issues in Human Biology
	BIO 1403	Exploring the Living World
BIOL 1406	BIO 1305-1105	Modern Concepts of Bioscience
BIOL 1407	BIO 1306-1106	Modern Concepts of Bioscience, Continued
	GEO 1401*	Earthquakes & other Natural Disasters
	GEO 1402	World Oceans
	GEO 1403*	Environmental Geology
GEO 1403	GEO 1405*	The Dynamic Earth
GEO 1404	GEO 1406	Earth Through Time
GEO 1401	GEO 1408	Earth Science
	NSC 1306-1106	Introduction to Neuroscience
* Credit allowed for only one of these courses.		
<b>AREA 2:</b>		
CHEM 1406	CHE 1300-1100 **	Introduction to Chemistry
CHEM 1411	CHE 1301-1101**	Basic Principles of Chemistry I
CHEM 1412	CHE 1302-1102	Basic Principles of Chemistry II
	CHE 1341-1146	Introductory Organic Biochemistry
CHEM 1405	CHE 1405**	Chemistry & Society
	PHY 1404	Light, Vision and Optics
PHYS 1405	PHY 1405	General Physics for BA Students
	PHY 1407	Sound and Acoustics
	PHY 1408	Gen. Physics for Nat. & Behavioral Sci.I
	PHY 1420	General Physics I
PHYS 1403 AND 1404	PHY 1455	Descriptive Astronomy
** Credit allowed for only one of these courses.		
<b>AREA 3:</b>		
A third 4-hour lab science course from above or others in the fields of biology, chemistry, geology or physics OR		
	ANT 1404	Intro to Human Evolution
BIOL 2406	ENV 1301-1101	Exploring Environment al Issues and lab
	ENV 1303-1103	Wildlife Ecology and lab
	FAS 1407	Freshman Academic Seminar: Science

<b>MATH:</b>		
MATH 1332 or 1333	MTH 1301	Ideas in Mathematics
MATH 2412	MTH 1320	Pre-Calculus
MATH 2413	MTH 1321	Calculus I
MATH 1342	STA 1380	Elementary Statistics

<b>FOREIGN LANGUAGE: To be fulfilled with one of the following options:</b>		
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
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
JAPN 1411	JPN 1401	Introductory Japanese
JANP 1412	JPN 1402	Elementary Japanese
<b>Taught at Baylor; no equivalent course at Tyler</b>		
<b>Modern Languages:</b>		<b>Classical Languages:</b>
Arabic (ARB)	Portuguese (POR)	Latin (LAT)
Chinese (CHI)	Russian (RUS)	Greek (GKC)
Italian (ITA)	Spanish (SPA)	Hebrew (HEB)
Korean (KOR)	Swahili (SWA)	