

# BAYLOR BOUND MAJOR ACADEMIC PLANNER

## Bachelor of Arts in Biology - Pre-Health Care

*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		ENG 1304	Thinking, Writing, and Research	3
MATH 2412	MTH 1320	Precalculus	3	MATH 2413	MTH 1321	Calculus I	3
See Reverse		Foreign Language	4	See Reverse		Foreign Language	4
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 w/lab	4
BIOL 1406	BIO 1305-1105	Modern Concepts of Bioscience II with Lab	4	BIOL 1407	BIO 1306-1106	Modern Concepts of Bioscience II with Lab	4
			18				18
Summer							
First				Second			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	STA 2381	Intro Statistics	3	ENGL 2322	ENG 2301	British Literature	3
			3				3
Sophomore Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	REL 1310	Christian Scriptures	3		REL 1350	Christian Heritage	3
See Reverse		Social Science	3	See Reverse		Social Science	3
See Reverse		Foreign Language	3	See Reverse		Foreign Language	3
See Reverse		Lifetime Fitness	1	CHEM 2425	CHE 3332**	Organic Chemistry II	3
CHEM 2423	CHE 3331**	Organic Chemistry I	3		CHE 3238	Organic Chemistry lab	2
	BIO 2306-2106	Genetics with Lab	4		BIO 3422	Human Physiology	4
			17				15
Junior Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
See Reverse		History	3	See Reverse	PSC 2302	American Constitutional Development	3
See Reverse		Fine Art	3	See Reverse		Social Science	3
	PHY 1408 or 1420	General Physics I	4	PHYS 1402	PHY 1409 or 1430	General Physics II	4
See Reverse		Lifetime Fitness	1	See Reverse		Lifetime Fitness	1
	BIO 4307	Biochemistry and Physiology of the Cell	3			BIO Elective	4
			14				15
Senior Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	BIO 3425, 3429, 4308-4108, or 4426	Biology Elective	4		BIO 4001	Achievement Test	0
ENGL 2327,2328 or 2332,2333	ENG 2304 or 2306	American or World Literature	3		See Below	BIO Elective	4
See Reverse		Fine Art	3	See Reverse		Fine Art	3
See Reverse		History	3	See Reverse		Advanced Elective*	3
See Reverse		Advanced Elective*	3	See Reverse		Advanced Elective*	3
See Reverse		Lifetime Fitness	1	See Reverse		Advanced Elective*	3
			17				16

### Notes about major requirements:

– This program is designed for students with an interest in medicine, dentistry, podiatry, or other health related professions, as well as those anticipating graduate studies in these disciplines.

– **Pre-Biology:** Students interested in biology as a major will choose the pre-biology designation upon enrollment at Baylor. To declare a major in Biology (BA or BS, all concentrations), a student must complete, with grades of "C" or better, either BIO 1305-1105 or 1405 and either BIO 1306-1106 or 1406 or their equivalents. Students may transfer credit for these courses (assuming grades of "C" or better) as long as the courses were taken prior to initial matriculation to Baylor. Students may repeat each of these introductory courses only once if they fail to make a "C" or better the first time they take the course. Students may only remain in the pre-biology designation until completion of 60 hours. Students who have not met the admission requirement at 60 hours will not advance to the biology major and must change degree programs. Students who transfer credit to Baylor for BIO 1305-1105 or 1405 and BIO 1306-1106 or 1406, all with grades of "C" or better, on their record will be eligible to declare biology as a major upon initial enrollment at Baylor. Students who receive 5 on the AP examination will be eligible to declare biology as a major upon initial enrollment at Baylor even if they elect to take the introductory course sequence.

– A grade of "C" or better in 31 hours of biology courses used for the major **AND** in all courses required in non-Biology area of your audit.

– BIO 1305-1105 and 1306-1106 are prerequisite to all "2000" and above level courses in biology. Non-biology majors may be admitted to upper-level courses without these prerequisites with consent of instructor and department chair.

– BIO 1401, 1402, 1403, 2401, and 2402 cannot be used to satisfy the minimum number of semester hours required for a major in biology.

– BIO Electives: Choose 8 hours of electives. A maximum of 3 hours of Individual Topics may be used for elective credit.

– English requirement: Students are allowed to take either ENG 1304 or FAS 1118, 1128, and 1138. Students majoring in the sciences may take ENG 3300 instead of ENG 1304.

– For more information, see the Baylor Undergraduate Catalog.

\*Students interested in teaching should contact the School of Education for more information about the Science Education minor.

\*\*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 courses 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

**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
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)	