

# BAYLOR BOUND MAJOR ACADEMIC PLANNER

## Bachelor of Science in Geophysics

*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
	REL 1310	Christian Scriptures	3		REL 1350	Christian Heritage	3
MATH 2413	MTH 1321	Calculus I	3	MATH 2414	MTH 1322	Calculus II	3
See Reverse		Foreign Language	4	See Reverse		Foreign Language	4
GEO 1403	GEO 1405	The Dynamic Earth	4	GEO 1404	GEO 1406	Earth through Time	4
			17				17
Sophomore Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
ENGL 2322	ENG 2301	British Literature	3	ENGL 2327,2328 or 2332,2333	ENG 2304 or 2306	American or World Literature	3
	MTH 2311	Linear Algebra	3	MATH 2425	MTH 2321	Calculus III	3
See Reverse		History/Social Science	3		PHY 1430	General Physics II	4
	PHY 1420	General Physics I	4	See Reverse		Foreign Language	3
See Reverse		Foreign Language	3	See Reverse		Lifetime Fitness	1
See Reverse		Lifetime Fitness	1		GEO 3319	Geophysics	3
			17				17
Junior Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	MTH 3325	Ordinary Differential Equations	3		MTH 3326	Partial Differential Equations	3
CHEM 1411	CHE 1301	Basic Principles of Modern Chemistry	3		PHY 3320 or 3330	Intermediate Classical Mechanics or Intermediate Electricity & Magnetism	3
	PHY 2360	Mathematical & Computational Physics	3	See Reverse		Lifetime Fitness	1
	GEO 3427	Rocks & Rock-Forming Minerals	4		GEO 3442	Field Stratigraphy-Sedimentology	4
	GEO 3445	Structural Geology	4		See Below	Geology Elective	4
			17				15
Summer							
First				Second			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	GEO 4656	Geophysical Field Training	6	See Reverse		History/Social Science	3
			6				3
Senior Year							
Fall				Spring			
TYLER	BU	Title	Hours	TYLER	BU	Title	Hours
	GEO 4457	Geophysics Exploration I	4			GEO Elective	3
		GEO Elective	3		GEO 4458	Geophysics Exploration II	4
	GEO 4341 or 4346	Intro to Hydrology or Hydrogeology	3		CSI 3324	Numerical Methods	3
See Reverse	PSC 2302	American Constitutional Development	3	See Reverse		Lifetime Fitness	1
	CSI 1430	Intro to Computer Science I with Lab	4			Elective	4
			17				15

**Notes about major requirements:**

- Majors are encouraged to take GEO 1405.
- The above sequence assumes student can begin Calculus (MTH 1321) in fall of freshman year. If this is not possible, take Pre-Calculus first (MTH 1320).
- GEO or other Area Elective options: Complete two 3000-4000 level courses (min 4 hours) from GEO, CHE, CSI, MTH, or PHY. These courses must be approved by the student's advisor.
- All senior-level candidates must complete the exit exam.
- English requirement: Students majoring in the sciences may take ENG 3300 instead of ENG 1304.
- A grade of "C" or better is required for all courses used for the major.
- 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)	