

Degree Requirement Guide - Bachelor of Arts in Physics

A Suggested Sequence of Required Courses Starting Major in Second Year

F r e s h m a n Y e a r							
Fall				Spring			
_____	0		Core: Common Course (Chapel)	_____	0		Core: Common Course (Chapel)
_____	0		Core: Common Requirement (*Creative Arts Event)	_____	0		Core: Common Requirement (*Creative Arts Event)
_____	3		Core: Common Course	_____	3		Core: Common Course
_____	3		Core: Common Course	_____	3		Core: Common Course
_____	3		Core: Common Course	_____	3-4		Core: Distribution List (**Foreign Language)
_____	3-4		Core: Distribution List (**Foreign Language)	_____	3		Core: Distribution List Course
_____	3		Core: Distribution List Course	_____	3		MTH 1321 Calculus I
Total: 15-16				Total: 15-16			

S o p h o m o r e Y e a r							
Fall				Spring			
_____	0		Core: Common Requirement (*Creative Arts Event)	_____	0		Core: Common Requirement (*Creative Arts Event)
_____	3		Core: Distribution List (**Foreign Language)	_____	3		Core: Distribution List Course
_____	3		Core: Distribution List Course	_____	3		MTH 2311 Linear Algebra
_____	1		Core: Lifetime Fitness	_____	3		CHE (1301 recommended)
_____	3		MTH 1322 Calculus II	_____	4		PHY 1430 General Physics II
_____	4		PHY 1420 General Physics I	_____	3		Elective (see below) / DL (Foreign Language)
Total: 14				Total: 16			

J u n i o r Y e a r							
Fall				Spring			
_____	0		Core: Common Requirement (*Creative Arts Event)	_____	0		Core: Common Requirement (*Creative Arts Event)
_____	3		Core: Distribution List Course	_____	4		CSI 1430 Intro to Computer Science I w/ Lab
_____	3		MTH 2321 Calculus III	_____	3		MTH 3325 Ordinary Differential Equations
_____	1		PHY 2135 Basic Electronics Lab	_____	3		PHY 2360 Math and Computational Physics
_____	3		PHY 2350 Modern Physics	_____	3		Elective (see below)
_____	4		Lab Science - Area 1	_____	3		Elective (see below)
_____	3		Elective (see below)				
Total: 17				Total: 16			

S e n i o r Y e a r							
Fall				Spring			
_____	3		MTH 3326 Partial Differential Equations	_____	3		PHY 3330 Inter. Electricity & Magnetism
_____	2		PHY 3276 Intermediate Physics Lab II	_____	3		PHY 3000-4000 level
_____	3		PHY 3320 Intermediate Classical Mechanics	_____	3		Elective (see below)
_____	3		PHY 3372 Intro Quantum Mechanics I	_____	3		Elective (see below)
_____	3		PHY 3000-4000 level	_____	3		Elective (see below)
_____	0		PHY 4001 Exit Exam				
Total: 14				Total: 15			

All students must graduate with a minimum of 124 hours, 36 of which must be at the 3000/4000 level.

Notes about major requirements:

– This is a Degree Requirement Guide. It provides a general understanding of how the courses that fulfill a BA degree may be taken during your time at Baylor. Because every major under the BA degree will differ, it is important that you refer to your degree audit and catalog for the specific requirements for your chosen major. In addition, it is imperative that you meet with your assigned advisor each semester to make sure you are fulfilling all requirements for a timely graduation.

All students must graduate with a minimum of 124 hours, 36 of which must be at the 3000-4000 level.

– **Core - Common Course:** These are common courses that are part of the general education requirements for all College of Arts and Sciences (A&S) degrees. All students in A&S must fulfill these requirements. Those areas within the Core that may require multiple semesters are indicated above. The 1000-level Core courses should be taken in the freshman or sophomore years and 2000-level Core courses should typically be taken in the sophomore year or later. Please refer to your degree audit or catalog for a full listing of courses. Please see your assigned advisor for a more detailed explanation.

– **Core - Distribution Lists (DL):** This portion of the A&S Core curriculum includes 9 separate sections with over 200 courses from which to choose. You must complete the specific requirements of each section. Those areas within the DLs that may require multiple semesters are indicated above. Please refer to your degree audit or catalog for a full listing of courses. Please see your assigned advisor for a more detailed explanation.

– ***Core - Creative Arts Experience (CAE):** You must attend 12 approved CAE events as part of the general education requirements. You are encouraged to attend 2 approved CAE events per semester (or 4 within one academic year) in order to fulfill this requirement in a timely manner. Please see your assigned advisor for more information.

– ****Core - Foreign Language:** The hours to complete your foreign language requirement may differ depending on which of the three options you choose or if you test into a higher level of language from the beginning. The hours could range from 8-12 hours. Please see your assigned advisor for more information.

– **Major Course:** These are the courses that are required for your major. Refer to the catalog or your degree audit for the exact number of hours required for your chosen major(s). The hours for each major will vary slightly. It will be critical that you work with your assigned academic advisor to understand the sequencing of these major courses.

– **Elective:** Because of the number of electives that are available with many BA majors, you may opt for a double major, secondary major, minor(s) or certificate(s) with the BA degree. The number of upper level (3000-4000) electives needed to graduate will depend on those upper level classes that are required in the major(s), secondary major, minor(s), certificate(s) and on how many upper level courses you choose to take from the DLs. You will need **36 hours** of upper level courses to graduate. Refer to your degree audit or catalog for more information about how you can use your elective hours. Please see your assigned advisor for a more detailed explanation about electives and to ensure you are meeting all requirements for graduation.