Bachelor of Science in Physics - Computational Physics Concentration

## A Suggested Sequence of Required Courses



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 BS degree may be taken during your time at Baylor. Because every major under the BS 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. NOTE: Three of the DL sections (Scienctific Method I, II, and Critical Thinking) are covered by science classes from most BS majors. Please see your advisor to discuss if this will apply to your chosen major.

- *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 from the DL 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.
- English requirement: It is recommended that science majors take ENG 3300 during their junior year rather than ENG 1304. Students may also take FAS 1118,1128, and 1138 instead of ENG 1304.
- Prior to taking PHY 4190, students are expected to make substantial progress on a reasearch project. Research typically begins when PHY 2190 is taken in the sophomore year. Students involved in research during their junior year should enroll in PHY 3V95 (Undergraduate Research). In addition, students are strongly encouraged to participate in summer research opportunities.
- Many required courses are offered only one time each year in either the fall semester of the spring semester.
-Check your degree audit often through Bearweb to ensure that you are making timely progress toward your degree.
-For more information, see the undergraduate catalog.
- Elective: Because the number of electives that are available with most BS majors can vary significantly, you will want to discuss the possibility of adding a double major, secondary major, minor(s) or certificate(s) with your assigned advisor. Otherwise, these elective hours can be any 1000-4000 level course for which you qualify to register. Please refer to your catalog for a full listing of classes. Please see your assigned advisor for a more detailed explanation.

