

Bachelor of Science
in Applied Physics

Howard College 2008-2009

1st and 2nd years at HC

ASU Course	HC Course
English 1301 and 1302 and Sophomore Literature (9 hrs)	English 1301 and 1302 Any Sophomore Literature (9 hrs)
Government 2301 and 2302 (6 hrs)	Government 2301 and 2302 (6 hrs)
History 1301 and 1302 (6 hrs)	History 1301 and 1302 (6 hrs)
Math 2331*, 2332 (6 hrs)	Math 2313, 2314 (6 hrs)
Biology 1410, <i>1411</i> or Geology 1401, 1402 (8 hrs lab science)	Biology 1407 or Geology 1403, 1404 (4-8 hrs lab science)
Physical Activity (1 hr)	Any Physical Activity (1 hr)
Social Science: Economics 2300, 2301, 2302 or Geography 2301 or Psychology 1303, 2301, 2304, 2305 or Sociology 2301, <i>1303</i> , <i>2305</i> , <i>2307</i> (3 hrs)	Economics 2301, 2302 or Geography 1301 or Psychology 2315, 2301, 2314, 2319 or Sociology 1301 (3 hrs)
Visual/Performing Arts: Art 1301, 1302, 1305, 2301, 2302 or Drama 1311, 1321, 1351, 2331, 2334 or Music 1310, 1341, 1342, 1351, 1361, 1375, 1376 (3 hrs)	Art 1301, 1413, 1303, 1304 or Drama 1310 or Music 1306, 1311, 1300, 1301 (3 hrs)
Chemistry 1411 and 1412 (8 hrs lab science)	Chemistry 1411 and 1412 (8 hrs lab science)
<i>Computer Literacy: Computer Science 1361 (3 hrs)</i>	<i>No Computer Science Courses Available</i>
Physics 1441, 2442 (8 hrs)	Physics 2425, 2426 (8 hrs)

Angelo State University 2008-2009

3rd and 4th years at ASU

Academic Major

Mathematics 3333, 3335	6
Physics 3301, 3303	6
Physics 3331, 3341, 3461, 4181	11
Physics 3443, 3444, 4452, 4462 (choose three)	12
Physics (upper division)	3
Biology 1411 (if wanting to take Biology rather than Geology)	4
Computer Science 1361	3

Minor 18

Electives 9

* The student is expected to have completed two years of high school algebra, one-half year of high school trigonometry, and a pre-calculus course. If not, the student will be advised whether Mathematics 1361, 1362 should be completed before enrollment in Mathematics 2331. The student must complete Mathematics 2331 and 2332 prior to the second year of study and must complete Mathematics 3333 and 3335 prior to the third year of study.

Minors – Students may select single or multiple area minors from any of those listed for a Bachelor of Science degree at Angelo State University. Students must complete 18 semester credit hours in a single area minor with six advanced hours in residence. Each discipline in a multiple area minor requires a minimum of nine hours with six advanced hours in residence. The Department of Physics must advise students on minor requirements. The following minor areas for the Physics degree are recommended: Chemistry, Computer Science, Business Administration, Mathematics, and Earth Science.

Student may only use up to 66 JC credit hours toward degree plans at ASU.

Revised August 2008

IN ALL DEGREE SPECIALIZATIONS, THE CATALOG IS THE FINAL AUTHORITY