

SUGGESTED PROGRAM – BACHELOR OF ARTS IN PHYSICS

FIRST YEAR

Fall Semester Suggested Program	
Courses	Hours
ENGL 1303. First Year Writing I	3
CHEM 1331 and CHEM 1111. Fundamentals of Chemistry and Fundamentals of Chemistry Laboratory	4
MATH 1431. Calculus I	4
Social Sciences Core Courses	3
Total	14

Spring Semester Suggested Program	
Courses	Hours
ENGL 1304. First Year Writing II	3
CHEM 1332 and CHEM 1112. Fundamentals of Chemistry and Fundamentals of Chemistry Laboratory	4
MATH 1432. Calculus II	4
PHYS 1321. University Physics I	3
PHYS 1121. University Physics Laboratory I	1
Total	15

SECOND YEAR

Fall Semester Suggested Program	
Courses	Hours
MATH 2331. Linear Algebra	3
MATH 2433. Calculus III	4
PHYS 1322. University Physics II	3
PHYS 1122. University Physics Laboratory II	1
HIST 1377. The United States to 1877 or equivalent	3
Foreign Language (1000 level)	3
Total	17

Spring Semester Suggested Program	
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Courses	Hours
MATH 3331. Differential Equations	3
PHYS 3315. Modern Physics I	3
Foreign Language (1000 level)	3
HIST 1378. The United States Since 1877 or equivalent	3
Natural Science Core Course	3
Total	15

THIRD YEAR

Fall Semester Suggested Program	
Courses	Hours
Mathematics Elective (3000- or 4000-level)	3
PHYS 3110. Advanced Laboratory Analysis	1
PHYS 3313. Advanced Laboratory I	3
POLS 1336. U.S. and Texas Constitutions and Politics or equivalent	3
Physics Electives (3000- or 4000 -level)	3
Foreign Language (2000 level)	3
Total	16
Spring Semester Suggested Program	
Courses	Hours
Mathematics Elective (3000- or 4000-level)	3
Physics Electives (3000- or 4000-level)	3
POLS 1337. U.S. Government: Congress, President, and Courts	3
Visual/Performing Arts Core Course	3
Foreign Language (2000 level)	3
Total	15

FOURTH YEAR

Fall Semester Suggested Program	
Courses	Hours
Physics Elective (3000- or 4000-level)	3

NSM Capstone or Free elective	6
PHYS 3312 and PHYS 3112 or PHYS 4421 . Modern Optics and Modern Optics Laboratory or Electronics Devices and Their Applications	4
Humanities	3
Total	16

Spring Semester Suggested Program

Courses	Hours
Physics Elective (3000- or 4000-level)	3
NSM Capstone or Minor	3
Free Electives	3
Natural Science Core Course	3
Total	12