BACHELOR OF ARTS IN PHYSICS with UTeach Option - 126 hours
RECOMMENDED COURSE SEQUENCE - EFFECTIVE Fall 2013

	Fall	Spring	Summer
Freshman Year	**Fall – 17 hours** PHYS 1100 Fun of Physics PHYS 2303 Contemporary Physics MATH 2413 or 2417 Calculus 1[#] CHEM 1311 General Chemistry 1 CHEM 1111 Chemistry Laboratory 1 RHET 1302 Rhetoric UNIV 1010/NATS 1101 Freshman Seminar NATS 1141 STEP 1 (Free Elective)	**Spring – 16-17 hours** PHYS 2325 Mechanics or PHYS 2421 Honors Physics I* PHYS 2125 Mechanics Laboratory MATH 2414 or 2419 Calculus 2[#] MATH 2418 Linear Algebra HIST 1301 U.S. History to Civil War NATS 1143 STEP 2 (Free Elective)	**Summer – 3 hours** GOVT 2305 American Government
Sophomore Year	**Fall – 15-16 hours** PHYS 2326 EM and Wave or PHYS 2422 Honors Physics II* PHYS 2126 Electromagnetism Laboratory MATH 2415 or 2451 Calculus 3 CHEM 1312 General Chemistry 2 CHEM 1112 Chemistry Lab 2 NATS 3341 Knowing & Learning (Upper-Level Free Elective)	**Spring – 17 hours** PHYS 3411 Theoretical Physics MATH 2420 Ordinary Differential Equations. PHYS 3327 Electronics with Laboratory HIST 1302 U.S. History from Civil War NATS 3343 Classroom Interactions (Advanced Elective)	**Summer – 3 hours** GOVT 2306 Texas Government
Junior Year	**Fall – 17 hours** PHYS 3416 Electricity and Magnetism CHEM 2323/2123 (Science Elective with approval) PHYS 3330 Numerical Methods and Computational Techniques Humanities Core Course (3 SCH) HIST 3328 Perspectives (Upper-Level Free Elective)	**Spring – 15 hours** PHYS 3312 Classical Mechanics PHYS 4311 Thermodynamics/Statistical Mechanics PHYS 4373 Physical Measurements Laboratory Social Science Core Course (3 SCH) NATS 4390 Research Methods (Advanced Writing)	
Senior Year	**Fall – 16 hours** NATS 4341 Project-Based Instruction (Advanced Elective) CHEM 2325/2125 (Science Elective with approval) UL Science Elective (3 SCH) Visual & Performing Arts Core Course (3SCH) Physics Elective (3 SCH)	**Spring – 7 hours** NATS 4694/4696 Student Teaching (Science Elective) NATS 4141 Student Teaching Seminar (Upper-Level Free Elective)	

[#] MATH 2413 or MATH 2417 is a prerequisite for PHYS 2325 and MATH 2414 or MATH 2419is a corequisite for PHYS 2325.

[#] MATH 2414 or MATH 2419 is a prerequisite for PHYS 2326.

[*]PHYS 2421 Honors Physics I may be electively substituted for PHYS 2325. (Requires a minimum grade of B+ in either MATH 2413 or MATH 2417)

[*]PHYS 2422 Honors Physics II may be electively substituted for PHYS 2326.

51 Hours of upper division courses (course numbers beginning with 3 or greater) are required for all degrees.

Research Experiences for Undergraduates (REUs) during the summer are highly recommended for Physics majors planning to continue their education in graduate school, whether in physics or another discipline. Formal REU programs exist at many universities, national laboratories, and even overseas, and typically offer a stipend typical of a graduate teaching assistantship. Announcements for REU programs usually appear online in December and application deadlines usually range from late January to early March. Requirements vary, but students are often eligible if they have completed their freshman year. If you wish to do an REU during the summer following your junior year, please plan to complete PHYS 4373 Physical Measurements during the Spring semester.

10-29-2013