

BS Physics: UTeach (Major Code: 3233)

Physics Courses (42hrs)



PHYS 2300/2300L	Principles of Physics- Mechanics and Heat & lab	4	
PHYS 2310/2310L	Principles of Physics- Electricity and Magnetism & lab	4	
PHYS 2320/2320L	Principles of Physics: Optics and Mod & lab	4	
PHYS 3410	Classical Mechanics (Fall semesters only)	4	
PHYS 3420	Electricity & Magnetism (Spring semesters only)	4	
PHYS 3980	Methods of Experimental Physics I (Fall semesters only)	3	
PHYS 3990	Methods of Experimental Physics II (Spring semesters only)	3	
PHYS 4110	Introduction to Quantum Physics (Fall semesters only)	3	
PHYS 4000	Physics Seminar (On demand)	1	
	Physics and Astronomy electives (all electives must be at the 3000-4000 level)	12	

Related Courses (31hrs)

ENGL 2820	Scientific Writing	3	
MATH 1910/1911	Calculus I & lab	4	
MATH 1920/1921	Calculus II & lab	4	
MATH 2200	Elementary Linear Algebra	3	
MATH 2450	Introduction to Differential and Difference Equations	3	
MATH 2550	Multivariable Calculus	3	
CHEM 1110/1110L	General Chemistry I & lab	4	
CHEM 1120/1120L	General Chemistry II & lab	4	
MATH 2100	Introductory Statistics	3	

General Education (beyond what is above) (27hrs)

ENGL 1010	Rhetoric and Composition I	3	
ENGL 1020	Rhetoric and Composition II	3	
	Humanities and Fine Arts (<i>3hrs must be in Fine Arts</i>)	6	
	Behavioral and Social Science	6	
	Cultures and Civilizations	9	

UTeaChattanooga Courses (23hrs)

UTSM 1010	Step 1: Inquiry Approaches to Teaching Mathematics and Science	1	
UTSM 1020	Step 2: Inquiry Based Lesson Design in Mathematics and Science	1	
UTSM 2010	Knowing and Learning in Mathematics and Science	3	
UTSM 2020	Classroom Interactions	3	
UTSM 3010	Perspectives on Science and Mathematics	3	
UTSM 3020	Research Methods in Science	3	
UTSM 4010	Project-Based Instruction	3	
UTSM 4020	Apprentice Teaching in Secondary Mathematics and Science	6	

TOTAL 123

** This form should be used for planning purposes only. Please refer to your course catalog for the most recent prerequisites and course descriptions. Information is subject to change. **