

**UTSA Bachelor of Science in Physics
Four-Year Plan
2010-12**

starting with MAT 1214

FIRST YR			FALL			SPRING		
WRC 1013	Freshman Comp I	3	WRC 1023	Freshman Comp II	3			
MAT 1214	Calculus I	4	MAT 1224	Calculus II	4			
CHE 1103*	General Chemistry I	3	CHE 1113**	General Chemistry II	3			
CHE 1122/20	Gen Chem I Lab^/lecture	2/0	CHE 1132/30	Gen Chem II Lab/lecture	2/0			
CS 1073	Intro to Comp Prog	3	PHY 1943/51	Physics for Scientists I/Lab	3/1			
TOTAL		15	TOTAL		16			
SECOND YR								
PHY 1963/71	Physics for Scientists II/Lab	3/1	PHY 1983/91	Physics for Scientists III/Lab	3/1			
MAT 2214	Calculus III	4	MAT 2233	Linear Algebra	3			
CORE	Domain IIIA: Literature	3	CORE	Domain IIA: History	3			
POL 1013	Domain IIB	3	CORE	Domain IIB: Politics	3			
			COS XXX2	Coll of Science Elective	2			
TOTAL		14	TOTAL		15			
THIRD YR								
PHY 3103	Modern Physics	3	PHY 3343***	Advanced Physics Lab I	3			
PHY 3203	Classical Mechanics I	3	PHY 3423	Electricity and Magnetism	3			
PHY 3293	Thermal Physics	3	PHY 4823	Mathematical Physics II	3			
PHY 3823	Mathematical Physics I	3	PHY 3XX3	UD Physics Elective	3			
CORE	Domain IIC: Soc/Beh Sci	3	CORE	Domain IID: Economics	3			
TOTAL		15	TOTAL		15			
FOURTH YR								
PHY 4263	Quantum Mechanics I	3	PHY 4423	Quantum Mechanics II	3			
PHY 3443	Modern Optics	3	PHY 3XX3	UD Physics Elective	3			
PHY 3513	Electrodynamics	3	PHY 3XX3	UD Physics Elective	3			
MAT 3613	Differential Equations I	3	CORE	Domain IV: World Society	3			
CORE	Domain IIA: History	3	CORE	Domain IIIB: Arts	3			
TOTAL		15	TOTAL		15			

Total hrs for BS/PHY is 120.

Hours listed here: 120

Notes: Check 2010-12 catalog for course prerequisites.

Due to the low number of physics majors, the UD level courses in physics are offered according to students' need to graduate.

Usually offered each academic year: PHY 3103, 3203, 3293, 3423, 3443, 3453 and 4263.

A "C" or better is required for all required and elective physics courses.

^CHE 1122 to be taken as prereqs; will count as COS electives although 4 hr free electives are required by the degree.

*or CHE 1143 Gen Chem I Honors

**or CHE 1153 Gen Chem II Honors

***Offered Spring only

All other provisions of the catalog must be met.