

UTSA BACHELOR OF SCIENCE IN PHYSICS

2010-12

NAME:

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45 hrs required PHY* Core:	Semester	C or better	School	9 hrs chosen from (including 6 hr max from either PHY	Semester	C or better	School
PHY 1943 Phys for Sci I				4911-13 or PHY 4953):			
PHY 1951 Phys for Sci I Lab				AST 3003 Intro Astrophysics			
PHY 1963 Phys for Sci II				PHY 3143 Intro Comp PHY*			
PHY 1971 Phys for Sci II Lab				PHY 3313 Material PHY*			
PHY 1983 Phys for Sci III				PHY 3453 Lasers*			
PHY 1991 Phys for Sci III Lab				PHY 4013 Relativity*			
PHY 3103 Modern Physics				PHY 4033 Cosmology*			
PHY 3203 Classical Mech I				PHY 4133 Num Methods*			
PHY 3293 Thermal Physics				PHY 4203 Classical Mech II*			
PHY 3343 Advanced Phys Lab				PHY 4563 Biophotonics*			
PHY 3423 Elec & Magnetism				PHY 4603 Crystallography			
PHY 3443 Modern Optics				PHY 4623 Nantechnology			
PHY 3513 Electrodynamics				PHY 4653 Micro/Nanotech			
PHY 3823 Mathematical Phy I				PHY 4703 Renewable Energy			
PHY 4263 Quantum Mech I				PHY 4833 Molec. Biophysics*			
PHY 4423 Quantum Mech II				PHY 4843 Condensed Matter			
PHY 4823 Mathematical Phy II				PHY 4911-3 Indep Study			
4 Approved hrs in COS:	Semester	D or better	School	PHY 4953 Spec Studies			
CHE 1122 (prereq for 1132)				PHY 4993 Honors Research			
MAT 1073, 1093 (if needed)				CORE CURRICULUM: 33 hrs	See catalog for choices.		
29 hrs Required Support:	Semester	D or better	School	Rhetoric (6 hr)	Semester	D or better	School
CHE 1103 Gen Chem I* or CHE 1143 Gen Chem I HON				WRC 1013			
				WRC 1023			
CHE 1113 Gen Chem II* or CHE 1153 Gen Chem II HON				Domain IA: Math (3 hrs satisfied in support work)			
				Domain IB: Sciences (6 hrs satisfied in major)			
CHE 1132/30 Chem II Lab*/lecture				IIA: U.S. History (6 hr)	HIS		
CS 1073 Intro Comp Prog				(HIS 1043, 1053 or 2053)	HIS		
MAT 1214 Calculus I				IIB: Political Sci (6 hr)	POL 1013		
MAT 1224 Calculus II				(POL 1133 or 1213)			
MAT 2214 Calculus III				IIC: Soc/Beh Sci (3 hr)			
MAT 2233 Linear Algebra				IID: Economics (3 hr)			
MAT 3613 Diff. Equations I				IIIA: Literature (3 hr)			
				IIIB: The Arts (3 hr)			
				IV: World Soc/Issues (3 hr)			

*Has a MAT prerequisite

All other provisions of the catalog must be met.

The total hours for the BS in Physics is 120. 39 hours must be completed at the UD (3000-4000) level.

COS prereqs must be completed w/ C or better.

Advisor's Signature

Date