

BS Physics (8-12 Mathematics/Physics Teacher Certification)

Freshman Fall			Freshman Spring		
PHYS 122	Principles of Physics I	4	PHYS 242	Principles of Physics II	4
MATH 120	Calculus I	4	MATH 209	Calculus II	4
ENGL 111	Introduction to College Composition	3	HIST 201	U.S. History through 1877	3
	Social & Behavioral Science Elective ¹	3	ENGL 112	College Composition and Research	3
HLTH 101	Wellness for Life	3		Visual & Performing Arts Elective ²	3
17			17		

Sophomore Fall			Sophomore Spring		
MATH 302	Principles of Geometry	3	PHYS 334	Modern Physics I	3
MATH 333	Calculus III	4	MATH 306	Differential Equations	3
HIST 202	US History since Reconstruction	3		Sophomore Literature	3
POLS 201	American National Government	3	POLS 202	Texas Government	3
PSY 220	Child and Adolescent Psychology	3	MATH 311	Probability and Statistics	3
16			15		

Junior/Senior Fall (even year)			Junior/Senior Spring (odd year)		
PHYS 331	Mechanics I	3	PHYS 430	Math Methods for Physicists & Engineering	3
PHYS 332	Electromagnetic Field Theory	3		Advanced PHYS elective ⁴	6
	Communications ³	3	MATH 404	Survey of Mathematical Ideas	3
	Approved CS elective ⁴	3	RDG 351	Content Area Reading	3
EDU 330	Professional Development I	3	EDU 335	Professional Development II	3
	Elective ⁴	3			
18			18		

Junior/Senior Fall (odd year)			Junior/Senior Spring (even year)		
PHYS 435	Quantum Physics	3	EDU 435	Professional Development IV	3
PHYS 333	Thermodynamics	3	EDU 490	Practicum in Teaching	6
	Advanced PHYS elective ⁴	3			
EDU 430	Professional Development III	3			
ENGL 309	Technical Writing	3			
	Social & Behavioral Science Elective ¹	3			
18			9		

* Elective courses must be chosen so that the final degree plan has at least 128 semester hours, at least 45 of which are advanced hours

¹PHYS majors are encouraged to take PSY 101 to satisfy one of the two courses required for the Social and Behavioral Sciences requirement. Other courses that satisfy the Social and Behavioral Science requirement are listed in the course catalog.

²Courses that meet the Visual and Performing Arts elective requirement are listed in the university catalog.

³PHYS majors should take COMS 301 to satisfy the Communications requirement.

⁴An appropriate course should be selected in consultation with the academic advisor.