

BS in Physics

Course	Title	Hours
Select one of the following combinations:		10
Combination A		
PHYS 213 & PHYS 214	General College Physics I and General College Physics II	
Combination B (preferred)		
PHYS 313 & PHYS 315	Physics for Scientists I and University Physics Lab I	
PHYS 314 & PHYS 316	Physics for Scientists II and University Physics Lab II	
PHYS 551	Topics in Modern Physics	3
PHYS 621	Analytical Mechanics	3
PHYS 631	Electricity and Magnetism	3
PHYS 641	Thermophysics	3
PHYS 651	Quantum Mechanics I	3
MATH 555	Differential Equations I	3
Select one of the following MATH courses		3
MATH 511	Linear Algebra	
MATH 545	Integration Techniques and Applications	
MATH 547	Advanced Calculus I	
MATH 757	Partial Differential Equations for Engineers	
Select 10 credit hours in chemistry		10
Select three semesters from the following:		6
PHYS 516	Advanced Physics Laboratory	
PHYS 517	Electronics Laboratory	
PHYS 616	Computational Physics Laboratory	
Select 8 additional upper-division credit hours in physics (excluding PHYS 501 and PHYS 502)		8
Total Credit Hours		55