

**Physics: Biophysics (B.S.)**

2018-2019 catalog

**Student Name:** \_\_\_\_\_ **ID Number:** \_\_\_\_\_

**Major Requirements**

Term Completed/Planned	Grade	Credit	Course #	Title
_____	_____	4	PHY121	General Physics I (NSM-L)
_____	_____	4	PHY122	General Physics II (NSM-L)
_____	_____	4	PHY245	Modern Physics
_____	_____	4	PHY261	Electronics
_____	_____	4	PHY317	Biophysics
_____	_____	4	PHY351	Mechanics I
_____	_____	4	PHY362	Electromagnetic Fields I
_____	_____	4	PHY363	Electromagnetic Fields II
_____	_____	2	PHY395	Comprehensive Laboratory I
_____	_____	2	PHY396	Comprehensive Laboratory II
_____	_____	5	CHM115 & 115L: General Chemistry I (NSM-L)	
_____	_____	5	CHM116 & 116L: General Chemistry II (NSM_L)	
_____	_____	4	MAT145	Calculus I (NSM)
_____	_____	4	MAT146	Calculus II (NSM)
_____	_____	4	MAT245	Calculus III
Complete <b>one (1)</b> of PHY327 or MAT369				
_____	_____	4	PHY327	Special Functions of Mathematical Physics
_____	_____	4	MAT369	Modeling and Differential Equations in Biological and Natural Sciences
Complete <b>one (1)</b> independent project (either BIO499, CHM499, MAT499, or PHY499)				
_____	_____	4		Independent Study
Complete <b>two (2)</b> PHY elective courses, chosen from PHY320, PHY352, PHY420, PHY430, or PHY486				
_____	_____			
Complete <b>one (1)</b> additional elective course, chosen from:				
_____	_____	4	BIO253	Introductory Cellular Biology
_____	_____	4	BIO255	Genetics
_____	_____	4	BIO369	Biochemistry
_____	_____	4	BIO471	Advanced Cellular and Molecular Biology
_____	_____	4	BIO475	Neurobiology
_____	_____	4	BIO476	Microbiology
_____	_____	4	BIO486	Immunology
_____	_____	5	CHM280 & CHM280L: Quantitative Analytical Chemistry	
_____	_____	4	CHM368	Physical Chemistry: Microscopic Theory
_____	_____	4	CHM464	Advanced Organic Chemistry
_____	_____	4	CHM481	Instrumental Analysis
_____	_____	4	MAT369	Modeling and Differential Equations in Biological and Natural Sciences
_____	_____	4	PHY327	Special Functions of Mathematical Physics
_____	_____	4	PHY430	Introduction to Solid State Physics
Complete <b>one (1)</b> Speaking skill				
_____	_____	4	COM115	Scientific and Technical Public Speaking (HUM)
_____	_____	4	HON130	Liberating Letters (HUM)

Abbreviation Key: NSM = Natural Science & Mathematics - no lab; NSM-L = Natural Science & Mathematics-with lab; HUM = Humanities

\_\_\_\_\_  
Student's Signature Date

\_\_\_\_\_  
Advisor's Printed Name Date

\_\_\_\_\_  
Signature

Advisor(s): By signing, you indicate you have verified the accuracy of the information above. Faculty advisors must initial next to each course substitution/waiver and sign this form.