

# Physics: Biophysics (B.S.)

2015-2016 catalog

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

## Major Requirements

Term Completed/Planned	Grade	Credit	✓	Course #	Title
_____	_____	4	<input type="checkbox"/>	PHY121	General Physics I (NSM-L)
_____	_____	4	<input type="checkbox"/>	PHY122	General Physics II (NSM-L)
_____	_____	4	<input type="checkbox"/>	PHY245	Modern Physics
_____	_____	4	<input type="checkbox"/>	PHY261	Electronics
_____	_____	4	<input type="checkbox"/>	PHY317	Biophysics
_____	_____	4	<input type="checkbox"/>	PHY351	Mechanics I
_____	_____	4	<input type="checkbox"/>	PHY352	Mechanics II
_____	_____	4	<input type="checkbox"/>	PHY362	Electromagnetic Fields I
_____	_____	4	<input type="checkbox"/>	PHY363	Electromagnetic Fields II
_____	_____	2	<input type="checkbox"/>	PHY395	Comprehensive Laboratory I
_____	_____	2	<input type="checkbox"/>	PHY396	Comprehensive Laboratory II
_____	_____	4	<input type="checkbox"/>	PHY486	Quantum Physics
_____	_____	4	<input type="checkbox"/>	CHM115	General Chemistry I (NSM-L)
_____	_____	4	<input type="checkbox"/>	CHM116	General Chemistry II (NSM_L)
_____	_____	4	<input type="checkbox"/>	MAT145	Calculus I (NSM)
_____	_____	4	<input type="checkbox"/>	MAT146	Calculus II (NSM)
_____	_____	4	<input type="checkbox"/>	MAT245	Calculus III

Complete **one (1)** of PHY327 or MAT369

_____	_____	4	<input type="checkbox"/>	PHY327	Special Functions of Mathematical Physics
_____	_____	4	<input type="checkbox"/>	MAT369	Modeling and Differential Equations in Biological and Natural Sciences

Complete **one (1)** independent project (either BIO499, CHM499, MAT499, or PHY499)

_____	_____	4	<input type="checkbox"/>		Independent Study
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Complete **one (1)** elective course, chosen from:

_____	_____	4	<input type="checkbox"/>	BIO253	Introductory Cellular Biology
_____	_____	4	<input type="checkbox"/>	BIO355	Genetics
_____	_____	4	<input type="checkbox"/>	BIO369	Biochemistry
_____	_____	4	<input type="checkbox"/>	BIO471	Advanced Cellular and Molecular Biology
_____	_____	4	<input type="checkbox"/>	BIO475	Neurobiology
_____	_____	4	<input type="checkbox"/>	BIO476	Microbiology
_____	_____	4	<input type="checkbox"/>	BIO486	Immunology
_____	_____	4	<input type="checkbox"/>	CHM353	Quantitative Analytical Chemistry
_____	_____	4	<input type="checkbox"/>	CHM367	Properties of Polymers
_____	_____	4	<input type="checkbox"/>	CHM368	Quantum Chemistry, Molecular Structure, and Spectroscopy
_____	_____	4	<input type="checkbox"/>	CHM464	Advanced Organic Chemistry
_____	_____	4	<input type="checkbox"/>	CHM470	Principles of Medicinal Chemistry
_____	_____	4	<input type="checkbox"/>	CHM481	Instrumental Analysis
_____	_____	4	<input type="checkbox"/>	MAT369	Modeling and Differential Equations in Biological and Natural Sciences
_____	_____	4	<input type="checkbox"/>	PHY327	Special Functions of Mathematical Physics
_____	_____	4	<input type="checkbox"/>	PHY430	Introduction to Solid State Physics

Complete **one (1)** Speaking skill

_____	_____	4	<input type="checkbox"/>	COM115	Scientific and Technical Public Speaking (HUM)
_____	_____	4	<input type="checkbox"/>	HON130	Liberating Letters (HUM)

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

Student Signature

Date

Faculty Adviser Signature

Date

Student and faculty signature are required for submission with the Intent to Graduate form.