Physics: Biophysics (B.S.)

AUGSBURG COLLEGE

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		PHY352	Mechanics II
		4		PHY362	Electromagnetic Fields I
		4		PHY363	Electromagnetic Fields II
		2		PHY395	Comprehensive Laboratory I
		2		PHY396	Comprehensive Laboratory II
		4		PHY486	Quantum Physics
		4		CHM115	General Chemistry I (NSM-L)
		4		CHM116	General Chemistry II (NSM_L)
		4		MAT145	Calculus I (NSM)
		4		MAT146	Calculus II (NSM)
		4		MAT245	Calculus III
Complete **one (1)** of PHY327 or MAT369					
		4		PHY327	Special Functions of Mathematical Physics
		4		MAT369	Modeling and Differential Equations in Biological and Natural Sciences
Complete **one (1)** independent project (either BIO499, CHM499, MAT499, or PHY499)					
		4			Independent Study
Complete **one (1)** elective course, chosen from:					
		4		BIO253	Introductory Cellular Biology
		4		BIO355	Genetics
		4		BIO369	Biochemistry
		4		BIO471	Advanced Cellular and Molecular Biology
		4		BIO475	Neurobiology
		4		BIO476	Microbiology
		4		BIO486	Immunology
		4		CHM353	Quantitative Analytical Chemistry
		4		CHM367	Properties of Polymers
		4		CHM368	Quantum Chemistry, Molecular Structure, and Spectroscopy
		4		CHM464	Advanced Organic Chemistry
		4		CHM470	Principles of Medicinal 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 **one (1)** 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 Signature Date Faculty Adviser Signature Date

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