AUGSBURG UNIVERSITY

Physics: Biophysics (B.S.)

2017-2018 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 **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 **two (2)** PHY elective courses, chosen from PHY320, PHY352, PHY420, PHY430, or PHY486				
Complete **one (1)** 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 **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 Advisor Signature Date

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