Bachelor of Science in Biology with a Concentration in Molecular Cell Physiology			
MAJOR REQUIREMENTS/BIOLOGY	- MOLECULAR CELL PHYSIOLOGY: 48 Credits	Credits	
	BY109: Intro to Biodiversity & Evolution	4.0	
	BY110: Intro to Cell & Molecular Biology	4.0	
	BY211: Physiology with Anatomy I	4.0	
	BY212: Physiology with Anatomy II	4.0	
	BY223: General Microbiology	4.0	
	BY310: Biochemistry and Laboratory	4.0	
	BY370: Cell Biology	3.0	
	BY375L: Lab Molecular & Cell	3.0	
	BY410: Molecular Biology	3.0	
	BY423: Genetics	4.0	
	BY425: Principles of Developmental Biology	4.0	
	6 Credits designated with Course*Type: "MC"	6.0	
	BY495: Senior Seminar	1.0	
 REQUIREMENTS OUTSIDE MAJOR: 30 Credits			
	MA115: Intro to Mathematics Modeling in the Biological Sciences	3.0	
	MA116: Calculus for the Biological Sciences		
or	MA125: Calculus with Analytic Geometry I		
	MA151: Statistics with Applications	3.0	
	CE111: General Chemistry	3.0	
	CE111L: General Chemistry Lab	1.0	
	CE112: General Chemistry	3.0	
	CE112L: General Chemistry Lab	1.0	
	CE241: Organic Chemistry	3.0	
	CE241L: Organic Chemistry Lab	2.0	
	CE242: Organic Chemistry	3.0	
	PH105: Physics for the Life Sciences PH105L: Physics for the Life Sciences Lab	3.0 1.0	
	PH106: Physics for the Life Sciences	3.0	
	PH106L: Physics for the Life Sciences Lab	1.0	
REE ELECTIVES: 14 Credits		Credits	
NEE ELECTIVES: 14 Ground		14.0	

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GENERAL EDUCATION REQU	IREMENTS: 36 Credits	Credits
First Year Seminar	FY-101: First Year Seminar *(Select Section "BY")	3.0
Reading and Writing	EN101: College Composition I EN102: College Composition II	3.0 3.0
Mathematics	Fulfilled in Outside Major Requirements with MA115, MA116, MA125, or MA151	0.0
Natural Sciences	Fulfilled in Major Requirements with required BY courses	0.0
Literature	3 Credits from courses designated with Course*Type: LIT	3.0
Aesthetics and Creativity	3 Credits from Art, Music, Theatre, or Dance	3.0
Technological Literacy	IT102: Information Technology for Scientists	3.0
Reasoned Oral Discourse	Fulfilled in Major Requirements with BY375L and BY495	0.0
Historical Perspective	3 Credits from courses designated with Course*Type: HS.SV	3.0
Social Science	3 Credits from courses designated with Course*Type: SS.SV	3.0
Historical Perspective/Social Sciences	3 Credits from courses designated with Course*Type: HS.SV or 3 Credits from courses designated with Course*Type: SS.SV	3.0
Interdisciplinary Perspectives	3 Credits from courses designated with Course*Type: ISP	3.0
Cultural Diversity and Global Understanding or Foreign Language	3 Credits from courses designated with Course*Type: CD and 3 Credits from courses designated with Course*Type: GU or 6 Credits from the SAME foreign language	6.0
Experiential Education	One course designated with Course*Type: EX	0.0
Writing Intensive	Two courses from Biology (BY) designated with Course*Type: WT	0.0

Minimum Credits for Bachelor of Science in Biology with a Concentration in Molecular Cell Physiology = 128.0

NOTES:

^{* 58} credits must be completed at the 200 level or higher.