

Bachelor of Science in Biology			
MAJOR REQUIREMENTS/BIOLOGY: 45 Credits (a)		Credits	
<b>8 Credits of Biology Electives from among:</b>	BY109: Intro to Biodiversity & Evolution	4.0	
	BY110: Intro to Cell & Molecular Biology	4.0	
	BY205: Zoology	3.0	
	BY213: Biology of Vascular Plants <b>or</b> BY214: Botany	3.0	
	BY223: General Microbiology	4.0	
	BY310: Biochemistry and Laboratory	4.0	
	BY370: Cell Biology	3.0	
	BY375L: Lab Molecular & Cell	3.0	
	BY423: Genetics	4.0	
	BY425: Principles of Developmental Biology	4.0	
BY111, BY112, BY340, BY324, BY406, BY410, BY475, BY499	8.0		
BY495: Senior Seminar	1.0		
REQUIREMENTS OUTSIDE MAJOR: 30 Credits		Credits	
	MA115: Math Models in Biology <b>or</b> MA116: Calculus for Biology <b>or</b> MA125: Calculus with Analytic Geometry I	3.0	
	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	3.0	
	PH105L: Physics for the Life Sciences Lab	1.0	
	PH106: Physics for the Life Sciences	3.0	
	PH106L: Physics for the Life Sciences Lab	1.0	
	FREE ELECTIVES: 17 Credits		Credits
		_____ _____ _____ _____ _____	17.0
(a) BY102 and BY104 are not available to BY majors, nor used to calculate major GPA.			

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GENERAL EDUCATION REQUIREMENTS: 36 Credits		Credits
First Year Seminar	FY-101: First Year Seminar *(Select Section "BY")	3.0
Reading and Writing	EN101: College Composition I	3.0
	EN102: College Composition II	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	3.0
	or 3 Credits from courses designated with Course*Type: SS.SV	
Interdisciplinary Perspectives	3 Credits from courses designated with Course*Type: ISP	3.0
Cultural Diversity/Global Understanding	3 Credits from courses designated with Course*Type: CD	6.0
	3 Credits from courses designated with Course*Type: GU	
or 6 Credits from the SAME foreign language		
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
		0.0

**Total Credits for Bachelor of Science in Biology = 128**

**NOTES:**

\* 58 credits must be completed at the 200 level or higher.