

Bachelor of Science in Biology	
MAJOR REQUIREMENTS/BIOLOGY: 45 Credits (a)	Credits
<p>BY109: Intro to Biodiversity & Evolution 4.0</p> <p>BY110: Intro to Cell & Molecular Biology 4.0</p> <p>BY205: Zoology 3.0</p> <p>BY214: Botany 3.0</p> <p>BY223: General Microbiology 4.0</p> <p>BY310: Biochemistry and Laboratory 4.0</p> <p>BY370: Cell Biology 3.0</p> <p>BY375L: Lab Molecular & Cell 3.0</p> <p>BY423: Genetics 4.0</p> <p>BY425: Principles of Developmental Biology 4.0</p> <p>8 Credits of Biology</p> <p>Electives from among: BY211, BY212, BY340, BY324, BY406, BY410, BY475, BY499 8.0</p> <p>BY495: Senior Seminar 1.0</p>	
REQUIREMENTS OUTSIDE MAJOR: 30 Credits	Credits
<p>MA115: Introduction to Mathematics Models in Biological Science</p> <p>or MA116: Calculus for the Biological Science</p> <p>or MA125: Calculus with Analytic Geometry I 3.0</p> <p>MA151: Statistics with Applications 3.0</p> <p>CE111: General Chemistry 3.0</p> <p>CE111L: General Chemistry Lab 1.0</p> <p>CE112: General Chemistry 3.0</p> <p>CE112L: General Chemistry Lab 1.0</p> <p>CE241: Organic Chemistry 3.0</p> <p>CE241L: Organic Chemistry Lab 2.0</p> <p>CE242: Organic Chemistry 3.0</p> <p>PH105: Physics for the Life Sciences 3.0</p> <p>PH105L: Physics for the Life Sciences Lab 1.0</p> <p>PH106: Physics for the Life Sciences 3.0</p> <p>PH106L: Physics for the Life Sciences Lab 1.0</p>	
FREE ELECTIVES: 17 Credits	Credits
<p>_____ 17.0</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	
<p>(a) Courses BY101 through BY108 are not used to calculate major GPA.</p> <p>(b) BY102, BY104, BY105, and BY106 are not available to BY majors.</p>	

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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 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 0.0

Minimum Credits for Bachelor of Science in Biology = 128.0

NOTES:

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