

## BIOLOGY DEPARTMENT MAJORS

REQUIREMENTS FOR A BA DEGREE IN BIOLOGY				58-60 UNITS (12 UNITS COUNT FOR GE)	Rev1-16-07
Lower Division Requirements <sup>(26)</sup>	__ __ Biology 210 <sup>(4)</sup>	__ __ Biology 215 <sup>(4)</sup>	Required of All Majors: <sup>(26)</sup>	__ __ Biology 300 <sup>(2)</sup>	__ __ Biology 310 <sup>(4)</sup>
					Upper Division Requirements <sup>(34-36)</sup>
Bio Units = 8	__ __ Chemistry 151 <sup>(1)</sup>	__ __ Chemistry 153 <sup>(4)</sup>		__ __ Biology 345 <sup>(4)</sup>	__ __ Biology 350 <sup>(3)</sup>
Chem Units = 14	__ __ Chemistry 152 <sup>(4)</sup>	__ __ Chemistry 153 <sup>(4)</sup>		__ __ Biology 360 <sup>(3)</sup>	__ __ Biology 360 <sup>(3)</sup>
Math Units = 4	__ __ Chemistry 295 <sup>(5)</sup>	__ __ Mathematics 144 <sup>(4)</sup>		__ __ Biology 380 <sup>(3)</sup>	__ __ Biology 420 <sup>(3)</sup>
				__ __ Biology 497 <sup>(1)</sup>	__ __ Mathematics 362 <sup>(2)</sup>
				Complete one of the following options: <sup>(8-10)</sup> <input type="checkbox"/> <b>Track I Organismal Emphasis:</b> Take Track I electives to a minimum of 8 units. <input type="checkbox"/> <b>Track II Cell &amp; Molecular Emphasis:</b> Take Track II electives to a minimum of 9 units. <input type="checkbox"/> <b>Track III Individualized Emphasis:</b> Take either 1 Track I or 1 Track II elective (minimum 3 units) plus take 2 upper level, non-GE courses from inside or outside of the Department (approved by the Biology Department chair).	
			Track I (Organismal electives)	__ __ Biology 315 <sup>(3)</sup>	__ __ Biology 325 <sup>(3)</sup>
				__ __ Biology 320 <sup>(3)</sup>	__ __ Biology 330 <sup>(2)</sup>
Recommended for	either __ __ Physics 141 <sup>(4)</sup>	and __ __ Physics 142 <sup>(4)</sup>	__ __ Biology 340 <sup>(2)</sup>	__ __ Biology 370 <sup>(2)</sup>	__ __ Biology 410 <sup>(3)</sup>
Grad./Prof. Schools	or __ __ Physics 241 <sup>(4)</sup>	and __ __ Physics 242 <sup>(4)</sup>	Track II (Cell & Molecular electives)	__ __ Biology 315 <sup>(3)</sup>	__ __ Biology 390 <sup>(3)</sup>
	* Mth 123 is Pre-req for 144 (can test out)			__ __ Biology 450 <sup>(4)</sup>	__ __ Biology 470 <sup>(3)</sup>
				__ __ Biology 400 <sup>(3)</sup>	

REQUIREMENTS FOR A BS DEGREE IN BIOLOGY				68-71 UNITS (12 UNITS COUNT FOR GE)	Rev1-16-07
Lower Division Requirements <sup>(34)</sup>	__ __ Biology 210 <sup>(4)</sup>	__ __ Biology 215 <sup>(4)</sup>	Required of All Majors: <sup>(26)</sup>	__ __ Biology 300 <sup>(2)</sup>	__ __ Biology 310 <sup>(4)</sup>
					Upper Division Requirements <sup>(36-39)</sup>
Bio Units = 8	__ __ Chemistry 151 <sup>(1)</sup>	__ __ Chemistry 153 <sup>(4)</sup>		__ __ Biology 345 <sup>(4)</sup>	__ __ Biology 350 <sup>(3)</sup>
Chem Units = 14	__ __ Chemistry 152 <sup>(4)</sup>	__ __ Chemistry 153 <sup>(4)</sup>		__ __ Biology 360 <sup>(3)</sup>	__ __ Biology 360 <sup>(3)</sup>
Math Units = 4	__ __ Chemistry 295 <sup>(5)</sup>	__ __ Mathematics 144 <sup>(4)</sup>		__ __ Biology 380 <sup>(3)</sup>	__ __ Biology 420 <sup>(3)</sup>
				__ __ Biology 497 <sup>(1)</sup>	__ __ Mathematics 362 <sup>(2)</sup>
				Complete one of the following options: <sup>(10-13)</sup> <input type="checkbox"/> <b>Track I: Organismal Emphasis:</b> Take 3 Track I electives & 1 Track II elective (minimum 10 units). <input type="checkbox"/> <b>Track II: Cell &amp; Molecular Emphasis:</b> Take 3 Track II electives & 1 Track I elective.	
			Track I (Organismal electives)	__ __ Biology 315 <sup>(3)</sup>	__ __ Biology 325 <sup>(3)</sup>
				__ __ Biology 320 <sup>(3)</sup>	__ __ Biology 330 <sup>(2)</sup>
Phys Units = 8	either __ __ Physics 141 <sup>(4)</sup>	and __ __ Physics 142 <sup>(4)</sup>	__ __ Biology 370 <sup>(2)</sup>	__ __ Biology 410 <sup>(3)</sup>	__ __ Biology 430 <sup>(3)</sup>
	or __ __ Physics 241 <sup>(4)</sup>	and __ __ Physics 242 <sup>(4)</sup>	Track II (Cell & Molecular electives)	__ __ Biology 315 <sup>(3)</sup>	__ __ Biology 390 <sup>(3)</sup>
	* Mth 123 is Pre-req for 144 (can test out)			__ __ Biology 450 <sup>(4)</sup>	__ __ Biology 470 <sup>(3)</sup>
				__ __ Biology 400 <sup>(3)</sup>	

REQUIREMENTS FOR THE BS DEGREE IN BIOLOGY-CHEMISTRY				REV 1-16-07
Lower Division Requirements		Upper Division Requirements		
__ __ Biology 210 <sup>(4)</sup>	__ __ Biology 215 <sup>(4)</sup>	__ __ Biology 345 <sup>(4)</sup>	Take Three of:	Take One of:
__ __ Chemistry 151 <sup>(1)</sup>		__ __ Biology 380 <sup>(3)</sup>	__ __ Biology 300 <sup>(2)</sup>	__ __ Chemistry 326 <sup>(2)</sup>
__ __ Chemistry 152 <sup>(4)</sup>	__ __ Chemistry 153 <sup>(4)</sup>	__ __ Chemistry 300 <sup>(2)</sup>	__ __ Biology 315 <sup>(3)</sup>	__ __ Chemistry 370 <sup>(2)</sup>
__ __ Chemistry 211 <sup>(2)</sup>	__ __ Chemistry 295 <sup>(5)</sup>	__ __ Chemistry 325 <sup>(5)</sup>	__ __ Biology 350 <sup>(3)</sup>	__ __ Chemistry 453 <sup>(2)</sup>
__ __ Physics 141 <sup>(4)</sup>	or __ __ Physics 241 <sup>(4)</sup>	__ __ Chemistry 351 <sup>(2)</sup>	__ __ Biology 390 <sup>(3)</sup>	
__ __ Physics 142 <sup>(4)</sup>	or __ __ Physics 242 <sup>(4)</sup>	__ __ Biology 450 <sup>(4)</sup> or Chemistry 450 <sup>(4)</sup>	__ __ Biology 400 <sup>(3)</sup>	
__ __ Mathematics 144 <sup>(4)</sup>		__ __ Chemistry 466 <sup>(2)</sup>	__ __ Biology 420 <sup>(3)</sup>	
		__ __ Biology 497 <sup>(1)</sup>		

# GENERAL EDUCATION REQUIREMENTS FOR ALL MAJORS

I. Responding to the Sacred			
Biblical Foundations	Bible 101 <sup>(2)</sup> __	and	Bible 102 <sup>(3)</sup> __
The Christian Tradition	Church History 395 <sup>(3)</sup> __	or	Theology 306 <sup>(3)</sup> __
II. Developing Cognitive Abilities			
Personal Development	Psychology 101 <sup>(4)</sup> (FF) __	or	Psychology 103 <sup>(3)</sup> __(TRN)
Critical Thinking and Communication	Writing 110 <sup>(5)</sup> __	and	Communication 100 <sup>(3)</sup> __
	or Writing 120 <sup>(3)</sup> __		
Basic Competence	Writing Sample __		Writing 099 __
Problem Solving	Mathematics 303 <sup>(3)</sup> __	or	Mathematics 144 <sup>(4)</sup> __
			Mathematics 164 <sup>(4)</sup> __
Basic Competence	Placement Test __		Math 099 __
	SAT 35th %ile __		ACT 35th %ile __
III. Exploring an Interdependent World			
The Natural World	Biological Science <sup>(4)</sup> __	and	Physical Science <sup>(4)</sup> __
	One with lab __		
Physical Fitness and Nutrition	PED _____ (One of Physical Education 102-184)		
	Take one of the following: Family & Consumer Sci. 315 <sup>(3)</sup>		
	Physical Education 100 <sup>(1)</sup> __		Physical Education 300 <sup>(2)</sup> __
The Social World	Take one of the following:		
	Economics 101 <sup>(3)</sup> __		Sociology 101 <sup>(3)</sup> __
	Economics 102 <sup>(3)</sup> __		Sociology 201 <sup>(3)</sup> __
			Political Science 101 <sup>(3)</sup> __
			Political Science 190 <sup>(4)</sup> __

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IV. Seeking Cultural Perspectives			rev 2-23-06
The History of World Civilizations	History 110 <sup>(3)</sup> __	and	History 111 <sup>(3)</sup> __
The Fine Arts	Music History 100 <sup>(2)</sup> __		Art 100 <sup>(2)</sup> __
Take <b>two</b> of the following areas: (MUH, ART, TRE)	or Music History 101 <sup>(2)</sup> __		or Art 102 <sup>(3)</sup> __
			Theater 101 <sup>(2)</sup> __
Philosophy	Philosophy 201 <sup>(3)</sup> __	or	Philosophy 211 <sup>(3)</sup> __
Literature Masterpieces:	Take two courses, at least one from masterpieces.		
	Literature 201 <sup>(3)</sup> __		Literature 203 <sup>(3)</sup> __
	Literature 202 <sup>(3)</sup> __		
Great Works:			
	Literature 205 <sup>(2)</sup> __		Literature 207 <sup>(2)</sup> __
	Literature 206 <sup>(2)</sup> __		Literature 208 <sup>(2)</sup> __
	Literature 325 <sup>(3)</sup> __		
Foreign Language	Take one of the following sequences:		
	Spanish 101 <sup>(4)</sup> __	and	Spanish 102 <sup>(4)</sup> __
	German 101 <sup>(4)</sup> __	and	German 102 <sup>(4)</sup> __
	French 101 <sup>(4)</sup> __	and	French 102 <sup>(4)</sup> __
	Biblical Lang. 205 <sup>(4)</sup> __	and	Biblical Lang. 206 <sup>(4)</sup> __
	or		
	Biblical Lang. 207 <sup>(3)</sup> __	and	Biblical Lang. 208 <sup>(3)</sup> __
		and	Biblical Lang. 337 <sup>(3)</sup> __