

BIOLOGY DEPARTMENT MAJORS

REQUIREMENTS FOR A BA DEGREE IN BIOLOGY				58-60 UNITS (12 UNITS COUNT FOR GE)	Rev1-16-07
Lower Division Requirements ⁽²⁶⁾	__ __ Biology 210 ⁽⁴⁾	__ __ Biology 215 ⁽⁴⁾	Required of All Majors: ⁽²⁶⁾	__ __ Biology 300 ⁽²⁾	__ __ Biology 310 ⁽⁴⁾
					Upper Division Requirements ⁽³⁴⁻³⁶⁾
Bio Units = 8	__ __ Chemistry 151 ⁽¹⁾		__ __ Biology 345 ⁽⁴⁾	__ __ Biology 350 ⁽³⁾	__ __ Biology 360 ⁽³⁾
Chem Units = 14	__ __ Chemistry 152 ⁽⁴⁾	__ __ Chemistry 153 ⁽⁴⁾	__ __ Biology 380 ⁽³⁾	__ __ Biology 420 ⁽³⁾	__ __ Biology 497 ⁽¹⁾
Math Units = 4	__ __ Chemistry 295 ⁽⁵⁾	__ __ Mathematics 144 ⁽⁴⁾	Complete one of the following options: ⁽⁸⁻¹⁰⁾ <input type="checkbox"/> Track I Organismal Emphasis: Take Track I electives to a minimum of 8 units. <input type="checkbox"/> Track II Cell & Molecular Emphasis: Take Track II electives to a minimum of 9 units. <input type="checkbox"/> Track III Individualized Emphasis: 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 ⁽³⁾	__ __ Biology 325 ⁽³⁾
				__ __ Biology 320 ⁽³⁾	__ __ Biology 330 ⁽²⁾
Recommended for	either	__ __ Physics 141 ⁽⁴⁾	and	__ __ Physics 142 ⁽⁴⁾	
Grad./Prof. Schools	or	__ __ Physics 241 ⁽⁴⁾	and	__ __ Physics 242 ⁽⁴⁾	
		* Mth 123 is Pre-req for 144 (can test out)		Track II (Cell & Molecular electives)	__ __ Biology 315 ⁽³⁾
				__ __ Biology 450 ⁽⁴⁾	__ __ Biology 470 ⁽³⁾
					__ __ Biology 340 ⁽²⁾
					__ __ Biology 370 ⁽²⁾
					__ __ Biology 410 ⁽³⁾
					__ __ Biology 430 ⁽³⁾
					__ __ Biology 400 ⁽³⁾

REQUIREMENTS FOR A BS DEGREE IN BIOLOGY				68-71 UNITS (12 UNITS COUNT FOR GE)	Rev1-16-07
Lower Division Requirements ⁽³⁴⁾	__ __ Biology 210 ⁽⁴⁾	__ __ Biology 215 ⁽⁴⁾	Required of All Majors: ⁽²⁶⁾	__ __ Biology 300 ⁽²⁾	__ __ Biology 310 ⁽⁴⁾
					Upper Division Requirements ⁽³⁶⁻³⁹⁾
Bio Units = 8	__ __ Chemistry 151 ⁽¹⁾		__ __ Biology 345 ⁽⁴⁾	__ __ Biology 350 ⁽³⁾	__ __ Biology 360 ⁽³⁾
Chem Units = 14	__ __ Chemistry 152 ⁽⁴⁾	__ __ Chemistry 153 ⁽⁴⁾	__ __ Biology 380 ⁽³⁾	__ __ Biology 420 ⁽³⁾	__ __ Biology 497 ⁽¹⁾
Math Units = 4	__ __ Chemistry 295 ⁽⁵⁾	__ __ Mathematics 144 ⁽⁴⁾	Complete one of the following options: ⁽¹⁰⁻¹³⁾ <input type="checkbox"/> Track I: Organismal Emphasis: Take 3 Track I electives & 1 Track II elective (minimum 10 units). <input type="checkbox"/> Track II: Cell & Molecular Emphasis: Take 3 Track II electives & 1 Track I elective.		
Phys Units = 8	either	__ __ Physics 141 ⁽⁴⁾	and	__ __ Physics 142 ⁽⁴⁾	
	or	__ __ Physics 241 ⁽⁴⁾	and	__ __ Physics 242 ⁽⁴⁾	
		* Mth 123 is Pre-req for 144 (can test out)		Track I (Organismal electives)	__ __ Biology 315 ⁽³⁾
				__ __ Biology 320 ⁽³⁾	__ __ Biology 330 ⁽²⁾
				__ __ Biology 370 ⁽²⁾	__ __ Biology 410 ⁽³⁾
				__ __ Biology 450 ⁽⁴⁾	__ __ Biology 470 ⁽³⁾
					__ __ Biology 325 ⁽³⁾
					__ __ Biology 340 ⁽²⁾
					__ __ Biology 430 ⁽³⁾
					__ __ Biology 400 ⁽³⁾

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

GENERAL EDUCATION REQUIREMENTS FOR ALL MAJORS

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

2004-05

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