

Student: \_\_\_\_\_  
 ID #: \_\_\_\_\_ Major: \_\_\_\_\_



## CORE CURRICULUM GUIDE

**Credits required: 48**

Academic Year 2022-2023

Realms and Additional requirements	Met	Credits	Gr	Cr	Tm
<b>LEADERSHIP REQUIREMENT (Waived for those with <math>\geq 15</math> credits or <math>\geq 24</math> years. Not waived for the RN to BSN or Nursing 1-2-1 Program.)</b>					
Leadership for Social Justice Seminar (SYM 110) (W = waived)		3			
<b>PHILOSOPHY/THEOLOGY (sea, phi, thy) (min 10 credits)</b>					
Search for Meaning (sea) (SEA 101)		4			
Philosophy (phi)		3-4			
Theology (thy)		3-4			
<b>COMMUNICATIONS/MATH (cm) (min. 8 credits)</b>					
College Research Writing (ENG 120)		3			
Oral Communication (1 of 3 public speaking courses)		2-3			
College Level Math (MAT 104 or higher)		3-4			
World Language (3 credits or equivalency fulfilled)		3			
<b>LITERATURE/FINE ARTS (lit, fa) (min. 9 credits)</b>					
Fine Arts (fa) (min. 3 cr. of music, art, or dance)		3-4			
Literature (lit) (min. 3 cr.)		3-4			
Option (lit or fa) (min. 2 cr.)		2-4			
<b>HUMANISTICS (his, bes, hum) (min. 9 credits)</b>					
Behavioral Science (bes) (min. 3 cr.)		3-4			
History (his) (min. 3 cr.)		3-4			
Option (his, bes, hum) (min. 3 cr.)		3-4			
<b>SCIENCES (sci, bio, che, phy) (min. 3 credits)</b>					
Earth science, biology, chemistry, or physics (min. 3 cr.)		3-4			
<b>CORE ELECTIVE CREDITS, if necessary, to reach 48 core credits</b>					
<b>OTHER GRADUATION REQUIREMENTS (Additional information in the University bulletin.)</b>					
<b>120 total credits</b> required for graduation.					
<b>48 Core credits</b> required for graduation.					
<b>GLOBAL</b> - One "global-designated" course (g) (minimum 3 credits). Transfer courses do not qualify.					

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**BIOLOGY GENERAL SEQUENCE****MAJOR**

Credits required: 57

Academic Year 2022-2023

**Note:** 2.2 GPA required in the major and 2.0 GPA overall. Grade point average and other requirements for students in the Biology Major-Education Sequence or the Biology-Broad Field Science Major are described in the Education Department section of this bulletin.

Course Code	Course Title	Credits	Gr	Cr	Tm
BIO 100	Introduction to Cell and Molecular Biology	4			
BIO 102	Introduction to Ecology and Evolutionary Biology	4			
BIO 218	Biodiversity	4			
BIO 337	Genetics	4			
BIO 493	Biology Seminar	1			
BIO 494	Biology Seminar	1			
	<b>Required Mathematics courses (select 1 option):</b>				
PSY 310 <b>and</b> MAT 111	Behavior Science Statistics <b>and</b> Algebra II	4 <b>and</b> 4			
MAT 216	Statistics	4			
	<b>Required Chemistry courses:</b>				
CHE 113	General Chemistry I	4			
CHE 114	General Chemistry II	4			
	<b>Must take at least 1 of the following courses:</b>				
BIO 411	Exercise Physiology	3			
BIO 442	Advanced Microbiology	4			
BIO 457	Ecology	4			
	<b>Choose 15-16 credits (at least 7 credits at the 300-400 level):</b>				
BIO 211	Human Anatomy	4			
BIO 212	Human Physiology	4			
BIO 216	Environmental Science	3			
BIO 220	Contemporary Environmental Issues	3			
BIO 250	Cell Biology	3			
BIO 307	Field Studies in Costa Rica	3			
BIO 325	Microbiology	4			
BIO 356	Developmental Biology	4			
BIO 442	Advanced Microbiology	4			
BIO 457	Ecology	4			
	<b>Choose 7-8 elective credits from the following courses:</b>				
CHE 206	Organic and Biochemistry	4			
CHE 216	Environmental Science	3			

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CHE 222	Instrumental Quantitative Analysis	4			
CHE 333	Organic Chemistry I	4			
CHE 334	Organic Chemistry II	4			
CHE 352	Biochemistry	4			
PHY 201	General Physics I	4			
PHY 202	General Physics II	4			