

## **ADVISING WORKSHEET**

BACHELOR OF ARTS DEGREE MAJOR IN BIOLOGY General Bulletin 2015-2017

TRANSFER INSTITUTION(S):			

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Name	 	 
Student ID #		

## GENERAL EDUCATION REQUIREMENTS - SEE ATTACHED PAGE FOR SPECIFIC COURSES

General Education Category	Course #	Credits	Grade	Semester	Equivalent
A. Mathematics (3 credits)  A. Mathematics (3 credits)  M 171 or STAT 216 – Major requirement					
<ul><li>B. English (3 credits)</li><li>C. Communication &amp; Information Literacy (3 credits)</li></ul>					
•					
Category II: Natural Sciences (7 credits) 2 lectures (6 credits) & 1 lab (1 credit) (1 life science & 1 physical science & 1 lab)					
BIOB 160/161 & CHMY 141 – Major requirements					
Category III: Social Sciences and History (6 credits) A. Social Science (3 credits)					
B. History (3 credits)					
Category IV: Cultural Diversity (3 credits)					
Category V: Arts & Humanities (6 credits) A. Fine Arts (3 credits)					
B. Humanities (3 credits)					

A minimum grade of "C-"is required in all General Education courses.

Note: Certain degrees may require a minimum grade of "C" in General Education courses.

Students should consult with their advisors to determine if specific courses are necessary in order to satisfy the General Education requirements within this program.

Certain courses in this program have prerequisites; students should check the course descriptions in the General Bulletin for required prerequisites.

Review	ed:			

## GENERAL EDUCATION REQUIREMENTS

CATEGO	RY I: G	GLOBAL ACADEMIC SKILLS 9 c	eredits			History 3 credits
Students	are requ	uired to take one course from each subcate	gory	HSTA	101	American History I 3
Subcates	gory A -	Mathematics 3 c	redits	HSTA	102	American History II 3
M	105	Contemporary Mathematics	3	HSTR	101	Western Civilization I 3
M	114	Extended Technical Mathematics	3	HSTR	102	Western Civilization II 3
M	121	College Algebra	3	HSTR	103	Honors Western Civilization I 3
M	122	College Trigonometry	3	HSTR	104	Honors Western Civilization II 3
M	131	Mathematics for Elementary Teachers II	3	PSCI	230	Introduction to International Relations 3
M	143	Finite Mathematics	4			
M	161	Survey of Calculus	3	CATEGO	RY IV:	CULTURAL DIVERSITY 3 credits
M	171	Calculus I	4	A&SC/WGS		Women, Culture, and Society 3
STAT	141		3			
		Introduction to Statistical Concepts		ANTY	220	Culture and Society 3
STAT	216 D	Introduction to Statistics	4	ARTH	160	Global Visual Culture 3
Subcateg			eredits	COMX	212	Introduction to Intercultural Communication 3
WRIT	101	College Writing I	3	GPHY	121	Human Geography 3
WRIT	121	Introduction to Technical Writing	3	HTH	270	Global Health Issues 3
WRIT	122	Introduction to Business Writing	3	LIT	230	World Literature Survey 3
WRIT	201	College Writing II	3	MUSI	207	World Music 3
WRIT	220	Business & Professional Writing	3	NASX	105	Introduction to Native American Studies 3
WRIT	221	Intermediate Technical Writing	3	NASX	205	Native Americans in Contemporary Society 3
Subcates	gory C-	Communication & Information Literacy	3 credits	PHL	271	Indian Philosophies and Religions 3
BMIS	150	Computer Literacy	3	PHL	272	Chinese Philosophies and Religions 3
COMX	111	Introduction to Public Speaking	3	REHA	201	Introduction to Diversity in Counseling 3
COMX	115	Introduction to Interpersonal Communica		RLST	170	The Religious Quest 3
LSCI	125	Research in the Information Age	3	SPNS	150	The Hispanic Tradition 3
Loci	123	Research in the information Age	3	SPNS	130	The Hispanic Tradition 5
CATECO	DV II.	NATURAL SCIENCES 6 cr. lecture & 1	or lob	CAMPROS	ND X7 X7.	ARTS & HUMANITIES 6 credits
		uired to take one course from each subcate	gory ana			uired to take one course from each subcategory
		esponding lab <u>or</u> Integrated Sciences	30.			- Fine Arts 3 credits
			credits	ARTZ	101	Art Fundamentals 3
BIOB	101	Discover Biology	3	ARTZ	105	Visual Language-Drawing 3
BIOB	102	Discover Biology Lab	1	ARTZ	131	Ceramics for Non-majors 3
BIOB	160	Principles of Living Systems	3	CRWR	240	Intro Creative Writing Workshop 3
BIOB	161	Principles of Living Systems Lab	1	FILM	160	Introduction to World Cinema 3
Subcates	gorv B -		redits	LIT	270	Film & Literature 3
ASTR	110	Introduction to Astronomy	3	MART	260	Computer Presentation and Animation 3
ASTR	111	Introduction to Astronomy Lab	1	MUSI	101	Enjoyment of Music 3
CHMY	121	Introduction to Astronomy Lab  Introduction to General Chemistry	3			
CHMY				MUSI	114	Band: MSUB Symphonic 1
	122	Introduction to General Chemistry Lab	1	MUSI	131	Jazz Ensemble I: MSUB
CHMY	141	College Chemistry I	3	MUSI	147	Choral Ensemble: University Chorus 1
CHMY	142	College Chemistry Laboratory I	1	PHOT	154	Exploring Digital Photography 3
GEO	101	Introduction to Physical Geology	3	THTR	101	Introduction to Theatre 3
GEO	102	Introduction to Physical Geology Labora	tory 1	THTR	120	Introduction to Acting I 3
GPHY	112	Introduction to Physical Geography Lab	1	Subcate	gorv B	- Humanities 3 credits
<b>GPHY</b>	111	Introduction to Physical Geography	3	ARTH	150	Introduction to Art History 3
PHSX	103	Our Physical World	3	HONR	111	Perspectives and Understanding 3
PHSX	103	Our Physical World Lab	1	LIT	110	Introduction to Literature 3
PHSX	205	College Physics I	3			
PHSX				LIT	240	
	206	College Physics I Lab	1	PHL	110	Introduction to Ethics 3
PHSX	105	Fundamentals of Physical Science	3	PHL	111	Philosophies of Life 3
PHSX	106	Fundamentals of Physical Science Lab	1			
Integrate			1 2 1	Total		31
SCIN 101	1, 102, 103	3, 104 Integrated Sciences 3,	1, 3, 1			
			eredits			
		uired to take one course from each subcate	gory			
Subcates	gory A -		redits			
ANTY	217	Physical Anthropology & Archeology	3			
BGEN	105	Introduction to Business	3			
COMX	106	Communicating in a Dynamic Workplace				
ECNS	201	Principles of Microeconomics	3			
ECNS	201		3			
		Principles of Macroeconomics				
EDU	105	Education and Democracy	3			
GPHY	141	Geography of World Regions	3			
	110	Personal Health and Wellness	3			
HTH		Interestination to American Correspond	3			
HTH PSCI	210	Introduction to American Government				
PSCI						
PSCI PSCI	220	Introduction to Comparative Government	t 3			
PSCI PSCI PSYX	220 100	Introduction to Comparative Government Introduction to Psychology	t 3 3			
PSCI PSCI PSYX PSYX	220 100 231	Introduction to Comparative Government Introduction to Psychology Human Relations	t 3 3 3			
PSCI PSCI PSYX	220 100	Introduction to Comparative Government Introduction to Psychology	t 3 3			

		Course	Credits	Grade	Semester	Equivalent
Dialage, D		A minimum grade of C- or better is requi	ired in all m	ajor cours	sework	
Biology F *BIOB	<b>equirem</b> 160	Principles of Living Systems	3			
* BIOB	161	Principles of Living Systems Lab	1			
BIOB	170	Principles of Biological Diversity	3			
BIOB	171	Principles of Biological Diversity Lab	1			
BIOB	260	Cellular and Molecular Biology	3			
BIOB	261	Cellular and Molecular Biology Lab	1			
BIOB	375	General Genetics	3			
BIOB	376	General Genetics Lab	1			
BIOE	370	General Ecology	3			
BIOE	371	General Ecology Lab	1			
BIOB	425	Advanced Cell and Molecular Biology	3			
BIOB	426	Advanced Cell and Molecular Biology Lab	1			
BIOB	490	Undergraduate Research	2			
BIOB	499	Senior Thesis/Capstone	1			
*PIOR 10	1/102 do	es not qualify in this category.				
DIOD 10	1/102 406	Biology Total	42			
Chemistr	y Requir					
*CHMY	141	College Chemistry I	3			
*CHMY	142	College Chemistry Laboratory I	1			
CHMY	143	College Chemistry II	3			
CHMY	144	College Chemistry Laboratory II	1			
CHMY	211	Elements of Organic Chemistry	3			
CHMY	212	Elements of Organic Chemistry Lab	1			
ВСН	380	Biochemistry	3			
ВСН	381	Biochemistry Lab	1			
		Chemistry Total	16	•		
Mathema	itics or St	atistics Requirement (choose one of the following	ng)			
*M	171	Calculus I	4			
*STAT	216	Introduction to Statistics	4			
			1			

Math or Statistics Total

<sup>\*</sup>May satisfy General Education requirements.

Course	Credits	Grade	Semester	Equivalent
T 1 T 2 T 1 (40 N	0.4			
Foreign Language Requirement (2 semesters/1full year	of the same language	e)		
		•		
Restricted Electives selected in consultation with faculty	advisor (6 credits)	<u>.</u>		-
Electives				
22.000				

## BACHELOR OF ARTS DEGREE IN BIOLOGY

Categories	Credits	Earned	Remaining
General Education	31		
Biology Requirements	**38		- <del></del>
Chemistry Requirements	***13		
Math or Statistics Requirement	***1		- <del></del>
Foreign Language Requirement	8		
Restricted Electives	6		
Electives (variable)	V		
Total	120		

<sup>\*\* 4</sup> credits that also satisfy General Education requirements are not included in the total number of credits.
\*\*\*3 credits that also satisfy General Education requirements are not included in the total number of credits.

The total number of elective credits required for the degree will be determined by the number of courses a student elects to take which fulfill both the General Education requirements and the major requirements. Electives should be chosen in consultation with an academic advisor.

It is the student's responsibility to know and meet the requirements for graduation. A minimum of 36 credits must be upper division classes (300 and above)

Notes: