ADVISING WORKSHEET

BACHELOR OF SCIENCE DEGREE
MAJOR IN BROADFIELD SCIENCE
General Bulletin 2017-2018

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
Category I: Global Academic Skills (9 credits) A. Mathematics (3 credits) *M 171 is a major requirement*					
B. English (3 credits)					
C. Communication & Information Literacy (3 credits)					
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 are 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-" required in all General Education courses.

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

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

Reviewed:

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GENERAL EDUCATION REQUIREMENTS

CATEGORY I: GLOBAL ACADEMIC SKILLS — 9 credits

Students are required to take one course from each subcategory

Subcategory A - Mathematics — 3 credits

M	105	Contemporary Mathematics	3
M	114	Extended Technical Mathematics	3
M	121	College Algebra	3
M	122	College Trigonometry	3
M	130	Mathematics for Elementary Teachers I	3
M	143	Finite Mathematics	4
M	161	Survey of Calculus	3
M	171	Calculus I	4
STAT	141	Introduction to Statistical Concepts	3
STAT	216	Introduction to Statistics	4

Subcategory B - English — 3 credits

WRIT	101	College Writing I	3
WRIT	121	Introduction to Technical Writing	3
WRIT	122	Introduction to Business Writing	3
WRIT	201	College Writing II	3
WRIT	220	Business & Professional Writing	3
WRIT	221	Intermediate Technical Writing	3

Subcategory C- Communication & Information Literacy — 3 credits

COMX	111	Introduction to Public Speaking	3
COMX	115	Introduction to Interpersonal Communication	3
LSCI	125	Research in the Information Age	3
BMIS	150	Computer Literacy	3

CATEGORY II: NATURAL SCIENCES — 6 cr. lecture & 1 cr. lab

Students are required to take one course from each subcategory and at least one corresponding lab or Integrated Sciences

Subcategory A – Life Sciences — 3-4 credits

BIOB	101	Discover Biology	3
BIOB	102	Discover Biology Lab	1
BIOB	121	Fundamentals of Biology for Allied Health	3
BIOB	122	Fund of Biology: Evolution, Ecology, and Biodiversity	3
BIOB	123	Fund of Biology: The Nature of Nutrition	3
BIOB	160	Principles of Living Systems	3
BIOB	161	Principles of Living Systems Lab	1

Subcategory B – Physical Sciences — 3-4 credits

ASTR	110	Introduction to Astronomy	3
ASTR	111	Introduction to Astronomy Lab	1
CHMY	121	Introduction to General Chemistry	3
CHMY	122	Introduction to General Chemistry Lab	1
CHMY	141	College Chemistry I	3
CHMY	142	College Chemistry Laboratory I	1
GEO	101	Introduction to Physical Geology	3
GEO	102	Introduction to Physical Geology Laboratory	1
GPHY	111	Introduction to Physical Geography	3
GPHY	112	Introduction to Physical Geography Lab	1
PHSX	103	Our Physical World	3
PHSX	104	Our Physical World Lab	1
PHSX	205	College Physics I	3
PHSX	206	College Physics I Lab	1
PHSX	105	Fundamentals of Physical Science	3
PHSX	106	Fundamentals of Physical Science Lab	1

Integrated Sciences

SCIN 101, 102, 103, 104 Integrated Sciences — 3, 1, 3, 1

CATEGORY III: SOCIAL SCIENCES AND HISTORY — 6 CREDITS

Students are required to take one course from each subcategory

Subcategory A – Social Sciences — 3 credits

ANTY	217	Physical Anthropology & Archeology	3
BGEN	105	Introduction to Business	3
COMX	106	Communicating in a Dynamic Workplace	3
ECNS	201	Principles of Microeconomics	3
ECNS	202	Principles of Macroeconomics	3
EDU	105	Education and Democracy	3
GPHY	141	Geography of World Regions	3
HTH	110	Personal Health and Wellness	3
PSCI	220	Introduction to Comparative Government	3
PSCI	210	Introduction to American Government	3
PSYX	100	Introduction to Psychology	3
PSYX	231	Human Relations	3
SOCI	101	Introduction to Sociology	3
SOCI	201	Social Problems	3

Subcategory B - History — 3 credits

HSTA	101	American History I	3
HSTA	102	American History II	3
HSTR	101	Western Civilization I	3
HSTR	102	Western Civilization II	3
HSTR	103	Honors Western Civilization I	3
HSTR	104	Honors Western Civilization II	3
PSCI	230	Introduction to International Relations	3

CATEGORY IV: CULTURAL DIVERSITY — 3 credits

ANTY	220	Culture and Society	3
ARTH	160	Global Visual Culture	3
COMX	212	Introduction to Intercultural Communication	3
GPHY	121	Human Geography	3
HTH	270	Global Health Issues	3
LIT	230	World Literature Survey	3
MUSI	207	World Music	3
NASX	105	Introduction to Native American Studies	3
NASX	205	Native Americans in Contemporary Society	3
PHL	271	Indian Philosophies and Religions	3
PHL	272	Chinese Philosophies and Religions	3
REHA	201	Introduction to Diversity	3
RLST	170	The Religious Quest	3
A&SC/WGSS	274	Women, Culture, and Society	3
SPNS	150	The Hispanic Tradition	3

CATEGORY V: ARTS & HUMANITIES — 6 credits

Students are required to take one course from each subcategory

Subcategory A – Fine Arts — 3 credits

ARTZ	101	Art Fundamentals	3
ARTZ	105	Visual Language-Drawing	3
ARTZ	131	Ceramics for Non-majors	3
CRWR	240	Intro Creative Writing Workshop	3
FILM	160	Introduction to World Cinema	3
LIT	270	Film & Literature	3
MART	260	Computer Presentation and Animation	3
MUSI	101	Enjoyment of Music	3
MUSI	114	Band: MSUB Symphonic	1
MUSI	131	Jazz Ensemble I: MSUB	1
MUSI	147	Choral Ensemble: University Chorus	1
PHOT	154	Exploring Digital Photography	3
THTR	101	Introduction to Theatre	3
THTR	120	Introduction to Acting I	3

Subcategory B - Humanities — 3 credits

ARTH	150	Introduction to Art History	3
HONR	111	Perspectives and Understanding	3
LIT	110	Introduction to Literature	3
LIT	240	The Bible as Literature	3
PHL	110	Introduction to Ethics	3
PHL	111	Philosophies of Life	3
PHL	254	People and Politics	3

		Course	Credits	Grade	Semester	Equivalent
		A minimum grade of C- or better is required in all major coursework				
Biology Requirements						
*BIOB	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			
		Biology Total	**20**			
Chemistry Requirements						
*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	321	Organic Chemistry I	3			
CHMY	322	Organic Chemistry Laboratory I	1			
CHMY	323	Organic Chemistry II	3			
CHMY	324	Organic Chemistry Laboratory II	1			
BCH	380	Biochemistry	3			
BCH	381	Biochemistry Lab	1			
		Chemistry Total	**20**			
Earth Science Requirements						
*GEO	101	Introduction to Physical Geology	3			
*GEO	102	Introduction to Physical Geology Laboratory	1			
GEO	205	Mineralogy	4			
GEO	211	Earth History and Evolution	3			
GEO	212	Earth History and Evolution Laboratory	1			
GEO	309	Sedimentation and Stratigraphy	3			
Choose one course from the following:						
ERTH	303	Weather and Climate	4			
ERTH	401	Geological Field Methods	4			
ERTH	491	Special Topics	3			
		Earth Science Total	**18-19**			
Physics Requirements						
*ASTR	110	Introduction to Astronomy	3			
* ASTR	111	Introduction to Astronomy Lab	1			
PHSX	220	Physics I	3			
PHSX	221	Physics I Lab	1			
PHSX	232	Physics II and Thermodynamics	3			

Continued on next page

PHSX	233	Physics II and Thermodynamics Lab	1			
PHSX	343	Modern Physics	3			
PHSX	391	Special Topics	3			
PHSX	491	Special Topics	3			
		Physics Total	**21**			

Biological or Physical Science Electives (12 credits) – at least 3 credits must be upper division

Total	**12**			

Mathematics Requirements

*M	171	Calculus I	4			
M	172	Calculus II	4			
		Mathematics Total	**8**			

*May satisfy General Education requirements.

Electives

BACHELOR OF SCIENCE DEGREE MAJOR IN BROADFIELD SCIENCE

Categories	**Credits**	**Earned**	**Remaining**
General Education	31	_____	_____
Biology	**16	_____	_____
Chemistry	***17	_____	_____
Earth Science	18-19	_____	_____
Physics	21	_____	_____
Biological or Physical Science Elect	12	_____	_____
Mathematics	***5	_____	_____
Electives	0-V	_____	_____
Total	120	_____	_____

****4 credits that also satisfy General Education requirements are not included in the total credits for the major.**
*****3 credits that also satisfy General Education requirements are not included in the total credits for the major.**

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: